

<210> 630
<211> 15
<212> PRT
<213> Homo sapiens

<400> 630
Pro Ala Pro Leu Pro Leu Arg Trp Ser Pro Ala Gly Pro Gly Gln
1 5 10 15

<210> 631
<211> 44
<212> PRT
<213> Homo sapiens

<400> 631
Met Ala Pro Ala Cys Gln Ile Leu Arg Trp Ala Leu Ala Leu Gly Leu
1 5 10 15

Gly Leu Met Phe Glu Val Thr His Ala Phe Arg Ser Gln Gly Arg Gly
20 25 30

Ser Leu Val Val Ala Val Gly Arg Glu Arg Lys Met
35 40

<210> 632
<211> 44
<212> PRT
<213> Homo sapiens

<400> 632
Met Ala Pro Ala Cys Gln Ile Leu Arg Trp Ala Leu Ala Leu Gly Leu
1 5 10 15

Gly Leu Met Phe Glu Val Thr His Ala Phe Arg Ser Gln Gly Arg Gly
20 25 30

Ser Leu Val Val Ala Val Gly Arg Glu Arg Lys Met
35 40

<210> 633
<211> 42
<212> PRT
<213> Homo sapiens

<400> 633
Met Phe Lys Lys Asp Leu Ile Cys Lys Arg Trp Ser Phe Phe Phe Trp
1 5 10 15

Gly Leu Leu Ile Ser Val Val Ile Leu Thr Ser Phe Ser Asn Tyr Ser
20 25 30

Arg Arg Phe Tyr Leu Asp Leu Tyr Phe Ser
35 40

<210> 634
<211> 7
<212> PRT
<213> Homo sapiens

<400> 634
Phe Ile Gly Phe Ile Leu Cys
1 5

<210> 635
<211> 42
<212> PRT
<213> Homo sapiens

<400> 635
Met Phe Lys Lys Asp Leu Ile Cys Lys Arg Trp Ser Phe Phe Phe Trp
1 5 10 15

Gly Leu Leu Ile Ser Val Val Ile Leu Thr Ser Phe Ser Asn Tyr Ser
20 25 30

Arg Arg Phe Tyr Leu Asp Leu Tyr Phe Ser
35 40

<210> 636
<211> 93
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 636
Trp Phe Gln Thr Val Asp Arg His Cys Phe Val Leu Xaa Thr Asp Lys
1 5 10 15

Val Lys Leu Thr Trp Arg Asp Arg Phe Pro Ala Tyr Leu Thr Asn Leu

	20		25		30	
Val	Ser	Ile	Ile	Phe	Met	Xaa
	35		40		45	
Ser	Ser	Arg	Arg	Leu	Arg	Pro
Asp	Glu					
Val	Arg	Gly	Asn	Arg	Lys	Glu
	50		55		60	
Val	Ile	Gly	Phe	Ser	Arg	Ala
Trp	Trp					
Phe	Thr	Thr	Val	Ile	Pro	Ala
	65		70		75	
Leu	Trp	Glu	Ala	Glu	Ala	Gly
Arg	Ser					
Leu	Glu	Val	Arg	Ser	Arg	Pro
	85		90			
Ala	Trp	Pro	Ile	Trp		

<210> 637
 <211> 35
 <212> PRT
 <213> Homo sapiens

<400> 637
 Met Ser Leu Gly Phe Trp Val Trp Leu Pro Ser Cys Cys His Lys Met
 1 5 10 15
 Leu Val Val Thr Cys Thr Phe Gly His Tyr Leu Pro Leu Glu Ser Ser
 20 25 30
 His His Leu
 35

<210> 638
 <211> 35
 <212> PRT
 <213> Homo sapiens

<400> 638
 Met Ser Leu Gly Phe Trp Val Trp Leu Pro Ser Cys Cys His Lys Met
 1 5 10 15
 Leu Val Val Thr Cys Thr Phe Gly His Tyr Leu Pro Leu Glu Ser Ser
 20 25 30
 His His Leu
 35

<210> 639
 <211> 394
 <212> PRT
 <213> Homo sapiens

<400> 639
 Val Thr Thr Leu Phe Leu Gly Pro Cys Tyr Cys Arg Gly Arg Leu His

1	5	10	15
Gly Leu Arg	Gln Glu Ser Arg Leu	Gly Asp Arg Ser Leu	Val Ile Gly
	20	25	30
Ala Gly Ala	Cys Tyr Cys Ile Tyr Arg Leu Thr Arg Gly Arg Lys Gln		
	35	40	45
Asn Lys Glu	Lys Met Ala Glu Gly Gly Ser Gly Asp Val Asp Asp Ala		
	50	55	60
Gly Asp Cys Ser Gly Ala Arg Tyr Asn Asp Trp Ser Asp Asp Asp Asp			
65	70	75	80
Asp Ser Asn Glu Ser Lys Ser Ile Val Trp Tyr Pro Pro Trp Ala Arg			
	85	90	95
Ile Gly Thr Glu Ala Gly Thr Arg Ala Arg Ala Arg Ala Arg Ala Arg			
	100	105	110
Ala Thr Arg Ala Arg Arg Ala Val Gln Lys Arg Ala Ser Pro Asn Ser			
	115	120	125
Asp Asp Thr Val Leu Ser Pro Gln Glu Leu Gln Lys Val Leu Cys Leu			
	130	135	140
Val Glu Met Ser Glu Lys Pro Tyr Ile Leu Glu Ala Ala Leu Ile Ala			
145	150	155	160
Leu Gly Asn Asn Ala Ala Tyr Ala Phe Asn Arg Asp Ile Ile Arg Asp			
	165	170	175
Leu Gly Gly Leu Pro Ile Val Ala Lys Ile Leu Asn Thr Arg Asp Pro			
	180	185	190
Ile Val Lys Glu Lys Ala Leu Ile Val Leu Asn Asn Leu Ser Val Asn			
	195	200	205
Ala Glu Asn Gln Arg Arg Leu Lys Val Tyr Met Asn Gln Val Cys Asp			
	210	215	220
Asp Thr Ile Thr Ser Arg Leu Asn Ser Ser Val Gln Leu Ala Gly Leu			
225	230	235	240
Arg Leu Leu Thr Asn Met Thr Val Thr Asn Glu Tyr Gln His Met Leu			
	245	250	255
Ala Asn Ser Ile Ser Asp Phe Phe Arg Leu Phe Ser Ala Gly Asn Glu			
	260	265	270
Glu Thr Lys Leu Gln Val Leu Lys Leu Leu Leu Asn Leu Ala Glu Asn			
	275	280	285
Pro Ala Met Thr Arg Glu Leu Leu Arg Ala Gln Val Pro Ser Ser Leu			
	290	295	300
Gly Ser Leu Phe Asn Lys Lys Glu Asn Lys Glu Val Ile Leu Lys Leu			

305 310 315 320
 Leu Val Ile Phe Glu Asn Ile Asn Asp Asn Phe Lys Trp Glu Glu Asn
 325 330 335
 Glu Pro Thr Gln Asn Gln Phe Gly Glu Gly Ser Leu Phe Phe Phe Leu
 340 345 350
 Lys Glu Phe Gln Val Cys Ala Asp Lys Val Leu Gly Ile Glu Ser His
 355 360 365
 His Asp Phe Leu Val Lys Val Lys Val Gly Lys Phe Met Ala Lys Leu
 370 375 380
 Ala Glu His Met Phe Pro Lys Ser Gln Glu
 385 390

<210> 640
 <211> 49
 <212> PRT
 <213> Homo sapiens

<400> 640
 Met Ser Pro Arg Pro Leu Ile Ala Arg Cys Glu Ala Leu Gly Cys Gly
 1 5 10 15
 Ala Arg Arg Leu Pro Trp Trp Ala Leu Ala Met Ala Leu Cys Ala Cys
 20 25 30
 Gly Arg Cys Val Ala Ala Asn Ser Ile Gly Glu Thr Leu Pro Ser Glu
 35 40 45
 Val

<210> 641
 <211> 49
 <212> PRT
 <213> Homo sapiens

<400> 641
 Met Ser Pro Arg Pro Leu Ile Ala Arg Cys Glu Ala Leu Gly Cys Gly
 1 5 10 15
 Ala Arg Arg Leu Pro Trp Trp Ala Leu Ala Met Ala Leu Cys Ala Cys
 20 25 30
 Gly Arg Cys Val Ala Ala Asn Ser Ile Gly Glu Thr Leu Pro Ser Glu
 35 40 45
 Val

<210> 642
<211> 85
<212> PRT
<213> Homo sapiens

<400> 642
Pro Ser Val Ala Leu Cys Trp Ile Phe Phe Ile Pro Leu Gly Lys Trp
1 5 10 15
Glu Phe Phe Tyr Arg Pro Ala Ile Leu Leu Leu Cys Gln Ile Ala Leu
20 25 30
Tyr Tyr Gln Asp Thr Pro Met Ala His Phe Arg Leu Thr Glu Leu Phe
35 40 45
Leu Tyr Glu Cys Thr Val Val Ile Phe Trp Ala Val Cys Glu Phe Leu
50 55 60
Val Thr His Pro Leu Thr Thr Lys Ala Leu Ser Glu Gln Tyr Lys Ser
65 70 75 80
Ile Lys Ala Gln Ile
85

<210> 643
<211> 85
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 643
Met Val Gly Leu Pro Ala Val Xaa Gln Leu Phe Trp Gly Leu Cys Leu
1 5 10 15
Cys Thr Cys Gly Leu Tyr Pro Ala Pro Gln Ser Trp Leu Ser Ser Gly
20 25 30
Xaa Tyr Lys Val Thr Ser Gly Ala Pro Ser Glu Arg Met Trp Pro Gln
35 40 45
Arg His Ala Ser Gly Phe Arg Leu Ser Gly Arg Thr Cys Leu Arg Ala
50 55 60
Thr Ala Pro Ser Pro Ser Phe Pro Phe Phe Ser Ala Val Ile Asn Leu

65

70

75

80

Ser Ala Cys Ser Lys
85

<210> 644

<211> 54

<212> PRT

<213> Homo sapiens

<400> 644

Met Val Gly Leu Pro Ala Val Val Gln Leu Phe Trp Gly Leu Cys Leu
1 5 10 15

Cys Thr Cys Gly Ala Val Ser Cys Pro Thr Glu Leu Ala Val Gln Trp
20 25 30

Arg Ile Gln Ser Asp Ile Trp Cys Ser Leu Arg Lys Asn Val Ala Pro
35 40 45

Glu Ala Cys Gln Trp Leu
50

<210> 645

<211> 81

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (67)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (76)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (81)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 645

Met Ile Leu Gly Ile His Trp Gly Ile Phe Leu Leu Leu Leu Ser
1 5 10 15

Trp Leu Glu Leu Gln Arg Thr Val Ile Phe Phe Phe Ser Pro Phe Pro
20 25 30

Ile Gln Lys His Tyr Thr Leu Gly His Phe Ser Phe Ser Gln Arg Arg
35 40 45

Phe Met Asp Ser Gln Thr Glu Leu Cys Ala Thr Gly Lys Val Lys Arg
50 55 60

Glu Lys Xaa Ala Asp Glu Val Thr Trp Leu His Xaa Leu His His Ala
65 70 75 80

Xaa

<210> 646
<211> 73
<212> PRT
<213> Homo sapiens

<400> 646
Ile Phe Leu Leu Leu Leu Leu Ser Trp Leu Glu Leu Gln Arg Thr Val
1 5 10 15

Ile Phe Phe Phe Ser Pro Phe Pro Ile Gln Lys His Tyr Thr Leu Gly
20 25 30

His Phe Ser Phe Ser Gln Arg Arg Phe Met Asp Ser Gln Thr Glu Leu
35 40 45

Cys Ala Thr Gly Lys Val Lys Arg Glu Lys Ala Ala Asp Glu Val Thr
50 55 60

Trp Leu His Val Leu His His Ala Glu
65 70

<210> 647
<211> 9
<212> PRT
<213> Homo sapiens

<400> 647
Trp Gly Leu Leu Tyr Leu Glu Leu Asn
1 5

<210> 648
<211> 81
<212> PRT
<213> Homo sapiens

<400> 648
Met Ile Leu Gly Ile His Trp Gly Ile Phe Leu Leu Leu Leu Ser
1 5 10 15

Trp Leu Glu Leu Gln Arg Thr Val Ile Phe Phe Phe Ser Pro Phe Pro
20 25 30

Ile Gln Lys His Tyr Thr Leu Gly His Phe Ser Phe Ser Gln Arg Arg
35 40 45

Phe Met Asp Ser Gln Thr Glu Leu Cys Ala Thr Gly Lys Val Lys Arg
50 55 60

Glu Lys Ala Ala Asp Glu Val Thr Trp Leu His Val Leu His His Ala
65 70 75 80

Glu

<210> 649
<211> 870
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (534)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 649
Met Gly Pro Pro Ser Leu Val Leu Cys Leu Leu Ser Ala Thr Val Phe
1 5 10 15

Ser Leu Leu Gly Gly Ser Ser Ala Phe Leu Ser His His Arg Leu Lys
20 25 30

Gly Arg Phe Gln Arg Asp Arg Arg Asn Ile Arg Pro Asn Ile Ile Leu
35 40 45

Val Leu Thr Asp Asp Gln Asp Val Glu Leu Gly Ser Met Gln Val Met
50 55 60

Asn Lys Thr Arg Arg Ile Met Glu Gln Gly Gly Ala His Phe Ile Asn
65 70 75 80

Ala Phe Val Thr Thr Pro Met Cys Cys Pro Ser Arg Ser Ser Ile Leu
85 90 95

Thr Gly Lys Tyr Val His Asn His Asn Thr Tyr Thr Asn Asn Glu Asn
100 105 110

Cys Ser Ser Pro Ser Trp Gln Ala Gln His Glu Ser Arg Thr Phe Ala
115 120 125

Val Tyr Leu Asn Ser Thr Gly Tyr Arg Thr Ala Phe Phe Gly Lys Tyr
130 135 140

Leu Asn Glu Tyr Asn Gly Ser Tyr Val Pro Pro Gly Trp Lys Glu Trp
145 150 155 160

Val Gly Leu Leu Lys Asn Ser Arg Phe Tyr Asn Tyr Thr Leu Cys Arg
165 170 175

Asn Gly Val Lys Glu Lys His Gly Ser Asp Tyr Ser Lys Asp Tyr Leu	180	185	190
Thr Asp Leu Ile Thr Asn Asp Ser Val Ser Phe Phe Arg Thr Ser Lys	195	200	205
Lys Met Tyr Pro His Arg Pro Val Leu Met Val Ile Ser His Ala Ala	210	215	220
Pro His Gly Pro Glu Asp Ser Ala Pro Gln Tyr Ser Arg Leu Phe Pro	225	230	235
Asn Ala Ser Gln His Ile Thr Pro Ser Tyr Asn Tyr Ala Pro Asn Pro	245	250	255
Asp Lys His Trp Ile Met Arg Tyr Thr Gly Pro Met Lys Pro Ile His	260	265	270
Met Glu Phe Thr Asn Met Leu Gln Arg Lys Arg Leu Gln Thr Leu Met	275	280	285
Ser Val Asp Asp Ser Met Glu Thr Ile Tyr Asn Met Leu Val Glu Thr	290	295	300
Gly Glu Leu Asp Asn Thr Tyr Ile Val Tyr Thr Ala Asp His Gly Tyr	305	310	315
His Ile Gly Gln Phe Gly Leu Val Lys Gly Lys Ser Met Pro Tyr Glu	325	330	335
Phe Asp Ile Arg Val Pro Phe Tyr Val Arg Gly Pro Asn Val Glu Ala	340	345	350
Gly Cys Leu Asn Pro His Ile Val Leu Asn Ile Asp Leu Ala Pro Thr	355	360	365
Ile Leu Asp Ile Ala Gly Leu Asp Ile Pro Ala Asp Met Asp Gly Lys	370	375	380
Ser Ile Leu Lys Leu Leu Asp Thr Glu Arg Pro Val Asn Arg Phe His	385	390	395
Leu Lys Lys Lys Met Arg Val Trp Arg Asp Ser Phe Leu Val Glu Arg	405	410	415
Gly Lys Leu Leu His Lys Arg Asp Asn Asp Lys Val Asp Ala Gln Glu	420	425	430
Glu Asn Phe Leu Pro Lys Tyr Gln Arg Val Lys Asp Leu Cys Gln Arg	435	440	445
Ala Glu Tyr Gln Thr Ala Cys Glu Gln Leu Gly Gln Lys Trp Gln Cys	450	455	460
Val Glu Asp Ala Thr Gly Lys Leu Lys Leu His Lys Cys Lys Gly Pro	465	470	475
			480

Met	Arg	Leu	Gly	Gly	Ser	Arg	Ala	Leu	Ser	Asn	Leu	Val	Pro	Lys	Tyr	485	490	495	
Tyr	Gly	Gln	Gly	Ser	Glu	Ala	Cys	Thr	Cys	Asp	Ser	Gly	Asp	Tyr	Lys	500	505	510	
Leu	Ser	Leu	Ala	Gly	Arg	Arg	Lys	Lys	Leu	Phe	Lys	Lys	Lys	Tyr	Lys	515	520	525	
Ala	Ser	Tyr	Val	Arg	Xaa	Arg	Ser	Ile	Arg	Ser	Val	Ala	Ile	Glu	Val	530	535	540	
Asp	Gly	Arg	Val	Tyr	His	Val	Gly	Leu	Gly	Asp	Ala	Ala	Gln	Pro	Arg	545	550	555	560
Asn	Leu	Thr	Lys	Arg	His	Trp	Pro	Gly	Ala	Pro	Glu	Asp	Gln	Asp	Asp	565	570	575	
Lys	Asp	Gly	Gly	Asp	Phe	Ser	Gly	Thr	Gly	Gly	Leu	Pro	Asp	Tyr	Ser	580	585	590	
Ala	Ala	Asn	Pro	Ile	Lys	Val	Thr	His	Arg	Cys	Tyr	Ile	Leu	Glu	Asn	595	600	605	
Asp	Thr	Val	Gln	Cys	Asp	Leu	Asp	Leu	Tyr	Lys	Ser	Leu	Gln	Ala	Trp	610	615	620	
Lys	Asp	His	Lys	Leu	His	Ile	Asp	His	Glu	Ile	Glu	Thr	Leu	Gln	Asn	625	630	635	640
Lys	Ile	Lys	Asn	Leu	Arg	Glu	Val	Arg	Gly	His	Leu	Lys	Lys	Lys	Arg	645	650	655	
Pro	Glu	Glu	Cys	Asp	Cys	His	Lys	Ile	Ser	Tyr	His	Thr	Gln	His	Lys	660	665	670	
Gly	Arg	Leu	Lys	His	Arg	Gly	Ser	Ser	Leu	His	Pro	Phe	Arg	Lys	Gly	675	680	685	
Leu	Gln	Glu	Lys	Asp	Lys	Val	Trp	Leu	Leu	Arg	Glu	Gln	Lys	Arg	Lys	690	695	700	
Lys	Lys	Leu	Arg	Lys	Leu	Leu	Lys	Arg	Leu	Gln	Asn	Asn	Asp	Thr	Cys	705	710	715	720
Ser	Met	Pro	Gly	Leu	Thr	Cys	Phe	Thr	His	Asp	Asn	Gln	His	Trp	Gln	725	730	735	
Thr	Ala	Pro	Phe	Trp	Thr	Leu	Gly	Pro	Phe	Cys	Ala	Cys	Thr	Ser	Ala	740	745	750	
Asn	Asn	Asn	Thr	Tyr	Trp	Cys	Met	Arg	Thr	Ile	Asn	Glu	Thr	His	Asn	755	760	765	
Phe	Leu	Phe	Cys	Glu	Phe	Ala	Thr	Gly	Phe	Leu	Glu	Tyr	Phe	Asp	Leu	770	775	780	

Asn Thr Asp Pro Tyr Gln Leu Met Asn Ala Val Asn Thr Leu Asp Arg
785 790 795 800

Asp Val Leu Asn Gln Leu His Val Gln Leu Met Glu Leu Arg Ser Cys
805 810 815

Lys Gly Tyr Lys Gln Cys Asn Pro Arg Thr Arg Asn Met Asp Leu Gly
820 825 830

Leu Lys Asp Gly Gly Ser Tyr Glu Gln Tyr Arg Gln Phe Gln Arg Arg
835 840 845

Lys Trp Pro Glu Met Lys Arg Pro Ser Ser Lys Ser Leu Gly Gln Leu
850 855 860

Trp Glu Gly Trp Glu Gly
865 870

<210> 650

<211> 870

<212> PRT

<213> Homo sapiens

<400> 650

Met Gly Pro Pro Ser Leu Val Leu Cys Leu Leu Ser Ala Thr Val Phe
1 5 10 15

Ser Leu Leu Gly Gly Ser Ser Ala Phe Leu Ser His His Arg Leu Lys
20 25 30

Gly Arg Phe Gln Arg Asp Arg Arg Asn Ile Arg Pro Asn Ile Ile Leu
35 40 45

Val Leu Thr Asp Asp Gln Asp Val Glu Leu Gly Ser Met Gln Val Met
50 55 60

Asn Lys Thr Arg Arg Ile Met Glu Gln Gly Gly Ala His Phe Ile Asn
65 70 75 80

Ala Phe Val Thr Thr Pro Met Cys Cys Pro Ser Arg Ser Ser Ile Leu
85 90 95

Thr Gly Lys Tyr Val His Asn His Asn Thr Tyr Thr Asn Asn Glu Asn
100 105 110

Cys Ser Ser Pro Ser Trp Gln Ala Gln His Glu Ser Arg Thr Phe Ala
115 120 125

Val Tyr Leu Asn Ser Thr Gly Tyr Arg Thr Ala Phe Phe Gly Lys Tyr
130 135 140

Leu Asn Glu Tyr Asn Gly Ser Tyr Val Pro Pro Gly Trp Lys Glu Trp
145 150 155 160

Val	Gly	Leu	Leu	Lys	Asn	Ser	Arg	Phe	Tyr	Asn	Tyr	Thr	Leu	Cys	Arg	165	170	175
Asn	Gly	Val	Lys	Glu	Lys	His	Gly	Ser	Asp	Tyr	Ser	Lys	Asp	Tyr	Leu	180	185	190
Thr	Asp	Leu	Ile	Thr	Asn	Asp	Ser	Val	Ser	Phe	Phe	Arg	Thr	Ser	Lys	195	200	205
Lys	Met	Tyr	Pro	His	Arg	Pro	Val	Leu	Met	Val	Ile	Ser	His	Ala	Ala	210	215	220
Pro	His	Gly	Pro	Glu	Asp	Ser	Ala	Pro	Gln	Tyr	Ser	Arg	Leu	Phe	Pro	225	230	235
Asn	Ala	Ser	Gln	His	Ile	Thr	Pro	Ser	Tyr	Asn	Tyr	Ala	Pro	Asn	Pro	245	250	255
Asp	Lys	His	Trp	Ile	Met	Arg	Tyr	Thr	Gly	Pro	Met	Lys	Pro	Ile	His	260	265	270
Met	Glu	Phe	Thr	Asn	Met	Leu	Gln	Arg	Lys	Arg	Leu	Gln	Thr	Leu	Met	275	280	285
Ser	Val	Asp	Asp	Ser	Met	Glu	Thr	Ile	Tyr	Asn	Met	Leu	Val	Glu	Thr	290	295	300
Gly	Glu	Leu	Asp	Asn	Thr	Tyr	Ile	Val	Tyr	Thr	Ala	Asp	His	Gly	Tyr	305	310	315
His	Ile	Gly	Gln	Phe	Gly	Leu	Val	Lys	Gly	Lys	Ser	Met	Pro	Tyr	Glu	325	330	335
Phe	Asp	Ile	Arg	Val	Pro	Phe	Tyr	Val	Arg	Gly	Pro	Asn	Val	Glu	Ala	340	345	350
Gly	Cys	Leu	Asn	Pro	His	Ile	Val	Leu	Asn	Ile	Asp	Leu	Ala	Pro	Thr	355	360	365
Ile	Leu	Asp	Ile	Ala	Gly	Leu	Asp	Ile	Pro	Ala	Asp	Met	Asp	Gly	Lys	370	375	380
Ser	Ile	Leu	Lys	Leu	Leu	Asp	Thr	Glu	Arg	Pro	Val	Asn	Arg	Phe	His	385	390	395
Leu	Lys	Lys	Lys	Met	Arg	Val	Trp	Arg	Asp	Ser	Phe	Leu	Val	Glu	Arg	405	410	415
Gly	Lys	Leu	Leu	His	Lys	Arg	Asp	Asn	Asp	Lys	Val	Asp	Ala	Gln	Glu	420	425	430
Glu	Asn	Phe	Leu	Pro	Lys	Tyr	Gln	Arg	Val	Lys	Asp	Leu	Cys	Gln	Arg	435	440	445
Ala	Glu	Tyr	Gln	Thr	Ala	Cys	Glu	Gln	Leu	Gly	Gln	Lys	Trp	Gln	Cys	450	455	460

Val	Glu	Asp	Ala	Thr	Gly	Lys	Leu	Lys	Leu	His	Lys	Cys	Lys	Gly	Pro	465	470	475	480
Met	Arg	Leu	Gly	Gly	Ser	Arg	Ala	Leu	Ser	Asn	Leu	Val	Pro	Lys	Tyr	485	490	495	
Tyr	Gly	Gln	Gly	Ser	Glu	Ala	Cys	Thr	Cys	Asp	Ser	Gly	Asp	Tyr	Lys	500	505	510	
Leu	Ser	Leu	Ala	Gly	Arg	Arg	Lys	Lys	Leu	Phe	Lys	Lys	Lys	Tyr	Lys	515	520	525	
Ala	Ser	Tyr	Val	Arg	Ser	Arg	Ser	Ile	Arg	Ser	Val	Ala	Ile	Glu	Val	530	535	540	
Asp	Gly	Arg	Val	Tyr	His	Val	Gly	Leu	Gly	Asp	Ala	Ala	Gln	Pro	Arg	545	550	555	560
Asn	Leu	Thr	Lys	Arg	His	Trp	Pro	Gly	Ala	Pro	Glu	Asp	Gln	Asp	Asp	565	570	575	
Lys	Asp	Gly	Gly	Asp	Phe	Ser	Gly	Thr	Gly	Gly	Leu	Pro	Asp	Tyr	Ser	580	585	590	
Ala	Ala	Asn	Pro	Ile	Lys	Val	Thr	His	Arg	Cys	Tyr	Ile	Leu	Glu	Asn	595	600	605	
Asp	Thr	Val	Gln	Cys	Asp	Leu	Asp	Leu	Tyr	Lys	Ser	Leu	Gln	Ala	Trp	610	615	620	
Lys	Asp	His	Lys	Leu	His	Ile	Asp	His	Glu	Ile	Glu	Thr	Leu	Gln	Asn	625	630	635	640
Lys	Ile	Lys	Asn	Leu	Arg	Glu	Val	Arg	Gly	His	Leu	Lys	Lys	Lys	Arg	645	650	655	
Pro	Glu	Glu	Cys	Asp	Cys	His	Lys	Ile	Ser	Tyr	His	Thr	Gln	His	Lys	660	665	670	
Gly	Arg	Leu	Lys	His	Arg	Gly	Ser	Ser	Leu	His	Pro	Phe	Arg	Lys	Gly	675	680	685	
Leu	Gln	Glu	Lys	Asp	Lys	Val	Trp	Leu	Leu	Arg	Glu	Gln	Lys	Arg	Lys	690	695	700	
Lys	Lys	Leu	Arg	Lys	Leu	Leu	Lys	Arg	Leu	Gln	Asn	Asn	Asp	Thr	Cys	705	710	715	720
Ser	Met	Pro	Gly	Leu	Thr	Cys	Phe	Thr	His	Asp	Asn	Gln	His	Trp	Gln	725	730	735	
Thr	Ala	Pro	Phe	Trp	Thr	Leu	Gly	Pro	Phe	Cys	Ala	Cys	Thr	Ser	Ala	740	745	750	
Asn	Asn	Asn	Thr	Tyr	Trp	Cys	Met	Arg	Thr	Ile	Asn	Glu	Thr	His	Asn	755	760	765	

Phe Leu Phe Cys Glu Phe Ala Thr Gly Phe Leu Glu Tyr Phe Asp Leu
 770 775 780
 Asn Thr Asp Pro Tyr Gln Leu Met Asn Ala Val Asn Thr Leu Asp Arg
 785 790 795 800
 Asp Val Leu Asn Gln Leu His Val Gln Leu Met Glu Leu Arg Ser Cys
 805 810 815
 Lys Gly Tyr Lys Gln Cys Asn Pro Arg Thr Arg Asn Met Asp Leu Gly
 820 825 830
 Leu Lys Asp Gly Gly Ser Tyr Glu Gln Tyr Arg Gln Phe Gln Arg Arg
 835 840 845
 Lys Trp Pro Glu Met Lys Arg Pro Ser Ser Lys Ser Leu Gly Gln Leu
 850 855 860
 Trp Glu Gly Trp Glu Gly
 865 870

<210> 651
 <211> 204
 <212> PRT
 <213> Homo sapiens

<400> 651

Met Met Pro Leu Leu Ser Leu Ile Phe Ser Ala Leu Phe Ile Leu Phe
 1 5 10 15
 Gly Thr Val Ile Val Gln Ala Phe Ser Asp Ser Asn Asp Glu Arg Glu
 20 25 30
 Ser Ser Pro Pro Glu Lys Glu Glu Ala Gln Glu Lys Thr Gly Lys Thr
 35 40 45
 Glu Pro Ser Phe Thr Lys Glu Asn Ser Ser Lys Ile Pro Lys Lys Gly
 50 55 60
 Phe Val Glu Val Thr Glu Leu Thr Asp Val Thr Tyr Thr Ser Asn Leu
 65 70 75 80
 Val Arg Leu Arg Pro Gly His Met Asn Val Val Leu Ile Leu Ser Asn
 85 90 95
 Ser Thr Lys Thr Ser Leu Leu Gln Lys Phe Ala Leu Glu Val Tyr Thr
 100 105 110
 Phe Thr Gly Ser Ser Cys Leu His Phe Ser Phe Leu Ser Leu Asp Lys
 115 120 125
 His Arg Glu Trp Leu Glu Tyr Leu Leu Glu Phe Ala Gln Asp Ala Ala
 130 135 140
 Pro Ile Pro Asn Gln Tyr Asp Lys His Phe Met Glu Arg Asp Tyr Thr

145		150		155		160
Gly Tyr Val Leu Ala Leu Asn Gly His Lys Lys Tyr Phe Cys Leu Phe						
		165		170		175
Lys Pro Gln Lys Thr Val Glu Glu Glu Glu Ala Ile Gly Ser Cys Ser						
		180		185		190
Asp Val Asp Ser Ser Leu Tyr Leu Gly Glu Ser Arg						
		195		200		

<210> 652
 <211> 332
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (204)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (283)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (305)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 652
 Met Glu Val Arg Lys Leu Ser Ile Ser Trp Gln Phe Leu Ile Val Leu
 1 5 10 15
 Val Leu Ile Leu Gln Ile Leu Ser Ala Leu Asp Phe Asp Pro Tyr Arg
 20 25 30
 Val Leu Gly Val Ser Arg Thr Ala Ser Gln Ala Asp Ile Lys Lys Ala
 35 40 45
 Tyr Lys Lys Leu Ala Arg Glu Trp His Pro Asp Lys Asn Lys Asp Pro
 50 55 60
 Gly Ala Glu Asp Lys Phe Ile Gln Ile Ser Lys Ala Tyr Glu Ile Leu
 65 70 75 80
 Ser Asn Glu Glu Lys Arg Ser Asn Tyr Asp Gln Tyr Gly Asp Ala Gly
 85 90 95
 Glu Asn Gln Gly Tyr Gln Lys Gln Gln Gln Arg Glu Tyr Arg Phe
 100 105 110
 Arg His Phe His Glu Asn Phe Tyr Phe Asp Glu Ser Phe Phe His Phe
 115 120 125

Pro Phe Asn Ser Glu Arg Arg Asp Ser Ile Asp Glu Lys Tyr Leu Leu
 130 135 140
 His Phe Ser His Tyr Val Asn Glu Val Val Pro Asp Ser Phe Lys Lys
 145 150 155 160
 Pro Tyr Leu Ile Lys Ile Thr Ser Asp Trp Cys Phe Ser Cys Ile His
 165 170 175
 Ile Glu Pro Val Trp Lys Glu Val Ile Gln Glu Leu Glu Glu Leu Gly
 180 185 190
 Val Gly Ile Gly Val Val His Ala Gly Tyr Glu Xaa Arg Leu Ala His
 195 200 205
 His Leu Gly Ala His Ser Thr Pro Ser Ile Leu Gly Ile Ile Asn Gly
 210 215 220
 Lys Ile Ser Phe Phe His Asn Ala Val Val Arg Glu Asn Leu Arg Gln
 225 230 235 240
 Phe Val Glu Ser Leu Leu Pro Gly Asn Leu Val Glu Lys Val Thr Asn
 245 250 255
 Lys Asn Tyr Val Arg Phe Leu Ser Gly Trp Gln Gln Glu Asn Lys Pro
 260 265 270
 His Val Leu Leu Phe Asp Gln Thr Pro Ile Xaa Pro Leu Leu Tyr Lys
 275 280 285
 Leu Thr Ala Phe Ala Tyr Lys Asp Tyr Leu Ser Phe Gly Tyr Val Tyr
 290 295 300
 Xaa Gly Leu Arg Gly Thr Glu Glu Met Thr Arg Arg Tyr Asn Ile Asn
 305 310 315 320
 Ile Tyr Ala Pro Thr Leu Leu Ala Leu Lys Asn Ile
 325 330

<210> 653
 <211> 737
 <212> PRT
 <213> Homo sapiens

<400> 653
 Met Glu Val Arg Lys Leu Ser Ile Ser Trp Gln Phe Leu Ile Val Leu
 1 5 10 15
 Val Leu Ile Leu Gln Ile Leu Ser Ala Leu Asp Phe Asp Pro Tyr Arg
 20 25 30
 Val Leu Gly Val Ser Arg Thr Ala Ser Gln Ala Asp Ile Lys Lys Ala
 35 40 45

Tyr	Lys	Lys	Leu	Ala	Arg	Glu	Trp	His	Pro	Asp	Lys	Asn	Lys	Asp	Pro	50	55	60	
Gly	Ala	Glu	Asp	Lys	Phe	Ile	Gln	Ile	Ser	Lys	Ala	Tyr	Glu	Ile	Leu	65	70	75	80
Ser	Asn	Glu	Glu	Lys	Arg	Ser	Asn	Tyr	Asp	Gln	Tyr	Gly	Asp	Ala	Gly	85	90	95	
Glu	Asn	Gln	Gly	Tyr	Gln	Lys	Gln	Gln	Gln	Gln	Arg	Glu	Tyr	Arg	Phe	100	105	110	
Arg	His	Phe	His	Glu	Asn	Phe	Tyr	Phe	Asp	Glu	Ser	Phe	Phe	His	Phe	115	120	125	
Pro	Phe	Asn	Ser	Glu	Arg	Arg	Asp	Ser	Ile	Asp	Glu	Lys	Tyr	Leu	Leu	130	135	140	
His	Phe	Ser	His	Tyr	Val	Asn	Glu	Val	Val	Pro	Asp	Ser	Phe	Lys	Lys	145	150	155	160
Pro	Tyr	Leu	Ile	Lys	Ile	Thr	Ser	Asp	Trp	Cys	Phe	Ser	Cys	Ile	His	165	170	175	
Ile	Glu	Pro	Val	Trp	Lys	Glu	Val	Ile	Gln	Glu	Leu	Glu	Glu	Leu	Gly	180	185	190	
Val	Gly	Ile	Gly	Val	Val	His	Ala	Gly	Tyr	Glu	Arg	Arg	Leu	Ala	His	195	200	205	
His	Leu	Gly	Ala	His	Ser	Thr	Pro	Ser	Ile	Leu	Gly	Ile	Ile	Asn	Gly	210	215	220	
Lys	Ile	Ser	Phe	Phe	His	Asn	Ala	Val	Val	Arg	Glu	Asn	Leu	Arg	Gln	225	230	235	240
Phe	Val	Glu	Ser	Leu	Leu	Pro	Gly	Asn	Leu	Val	Glu	Lys	Val	Thr	Asn	245	250	255	
Lys	Asn	Tyr	Val	Arg	Phe	Leu	Ser	Gly	Trp	Gln	Gln	Glu	Asn	Lys	Pro	260	265	270	
His	Val	Leu	Leu	Phe	Asp	Gln	Thr	Pro	Ile	Val	Pro	Leu	Leu	Tyr	Lys	275	280	285	
Leu	Thr	Ala	Phe	Ala	Tyr	Lys	Asp	Tyr	Leu	Ser	Phe	Gly	Tyr	Val	Tyr	290	295	300	
Val	Gly	Leu	Arg	Gly	Thr	Glu	Glu	Met	Thr	Arg	Arg	Tyr	Asn	Ile	Asn	305	310	315	320
Ile	Tyr	Ala	Pro	Thr	Leu	Leu	Val	Phe	Lys	Glu	His	Ile	Asn	Arg	Pro	325	330	335	
Ala	Asp	Val	Ile	Gln	Ala	Arg	Gly	Met	Lys	Lys	Gln	Ile	Ile	Asp	Asp	340	345	350	

Phe	Ile	Thr	Arg	Asn	Lys	Tyr	Leu	Leu	Ala	Ala	Arg	Leu	Thr	Ser	Gln	355	360	365	
Lys	Leu	Phe	His	Glu	Leu	Cys	Pro	Val	Lys	Arg	Ser	His	Arg	Gln	Arg	370	375	380	
Lys	Tyr	Cys	Val	Val	Leu	Leu	Thr	Ala	Glu	Thr	Thr	Lys	Leu	Ser	Lys	385	390	395	400
Pro	Phe	Glu	Ala	Phe	Leu	Ser	Phe	Ala	Leu	Ala	Asn	Thr	Gln	Asp	Thr	405	410	415	
Val	Arg	Phe	Val	His	Val	Tyr	Ser	Asn	Arg	Gln	Gln	Glu	Phe	Ala	Asp	420	425	430	
Thr	Leu	Leu	Pro	Asp	Ser	Glu	Ala	Phe	Gln	Gly	Lys	Ser	Ala	Val	Ser	435	440	445	
Ile	Leu	Glu	Arg	Arg	Asn	Thr	Ala	Gly	Arg	Val	Val	Tyr	Lys	Thr	Leu	450	455	460	
Glu	Asp	Pro	Trp	Ile	Gly	Ser	Glu	Ser	Asp	Lys	Phe	Ile	Leu	Leu	Gly	465	470	475	480
Tyr	Leu	Asp	Gln	Leu	Arg	Lys	Asp	Pro	Ala	Leu	Leu	Ser	Ser	Glu	Ala	485	490	495	
Val	Leu	Pro	Asp	Leu	Thr	Asp	Glu	Leu	Ala	Pro	Val	Phe	Leu	Leu	Arg	500	505	510	
Trp	Phe	Tyr	Ser	Ala	Ser	Asp	Tyr	Ile	Ser	Asp	Cys	Trp	Asp	Ser	Ile	515	520	525	
Phe	His	Asn	Asn	Trp	Arg	Glu	Met	Met	Pro	Leu	Leu	Ser	Leu	Ile	Phe	530	535	540	
Ser	Ala	Leu	Phe	Ile	Leu	Phe	Gly	Thr	Val	Ile	Val	Gln	Ala	Phe	Ser	545	550	555	560
Asp	Ser	Asn	Asp	Glu	Arg	Glu	Ser	Ser	Pro	Pro	Glu	Lys	Glu	Glu	Ala	565	570	575	
Gln	Glu	Lys	Thr	Gly	Lys	Thr	Glu	Pro	Ser	Phe	Thr	Lys	Glu	Asn	Ser	580	585	590	
Ser	Lys	Ile	Pro	Lys	Lys	Gly	Phe	Val	Glu	Val	Thr	Glu	Leu	Thr	Asp	595	600	605	
Val	Thr	Tyr	Thr	Ser	Asn	Leu	Val	Arg	Leu	Arg	Pro	Gly	His	Met	Asn	610	615	620	
Val	Val	Leu	Ile	Leu	Ser	Asn	Ser	Thr	Lys	Thr	Ser	Leu	Leu	Gln	Lys	625	630	635	640
Phe	Ala	Leu	Glu	Val	Tyr	Thr	Phe	Thr	Gly	Ser	Ser	Cys	Leu	His	Phe	645	650	655	

Ser Phe Leu Ser Leu Asp Lys His Arg Glu Trp Leu Glu Tyr Leu Leu
660 665 670

Glu Phe Ala Gln Asp Ala Ala Pro Ile Pro Asn Gln Tyr Asp Lys His
675 680 685

Phe Met Glu Arg Asp Tyr Thr Gly Tyr Val Leu Ala Leu Asn Gly His
690 695 700

Lys Lys Tyr Phe Cys Leu Phe Lys Pro Gln Lys Thr Val Glu Glu Glu
705 710 715 720

Glu Ala Ile Gly Ser Cys Ser Asp Val Asp Ser Ser Leu Tyr Leu Gly
725 730 735

Glu

<210> 654

<211> 42

<212> PRT

<213> Homo sapiens

<400> 654

Met Asn Ser Ser Phe Phe Ile Ser Leu Pro Ala Leu Ile Trp Ser Val
1 5 10 15

Cys Leu Ile Leu Gly Trp Trp Gln Val Ser Ser Gly Lys Val Ala His
20 25 30

Cys Gly Phe Ile Phe Cys Phe Pro Asn Asn
35 40

<210> 655

<211> 111

<212> PRT

<213> Homo sapiens

<400> 655

Cys Gly Ser His Arg Met Ser Trp Lys Met Tyr Cys Pro Leu His Phe
1 5 10 15

Ser Gly Arg Val Cys Glu Glu Leu Lys Phe Phe Phe Ser Phe Phe Phe
20 25 30

Phe Leu Arg Arg Ser Leu Thr Pro Ala Gln Ala Thr Ala Gly Asp Ser
35 40 45

Val Ser Lys Lys Gln Arg Glu Glu Arg Lys Lys Glu Lys Lys Glu Gly
50 55 60

Arg Arg Lys Glu Gly Arg Asn Glu Gly Thr Lys Glu Gly Arg Lys Arg
65 70 75 80

Lys Glu Gly Arg Lys Lys Glu Arg Glu Arg Glu Arg Lys Lys Glu Arg
85 90 95

Lys Lys Glu Arg Lys Lys Glu Lys Lys Lys Lys Thr Gly Thr
100 105 110

<210> 656
<211> 42
<212> PRT
<213> Homo sapiens

<400> 656
Met Asn Ser Ser Phe Phe Ile Ser Leu Pro Ala Leu Ile Trp Ser Val
1 5 10 15

Cys Leu Ile Leu Gly Trp Trp Gln Val Ser Ser Gly Lys Val Ala His
20 25 30

Cys Gly Phe Ile Phe Cys Phe Pro Asn Asn
35 40

<210> 657
<211> 128
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (67)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (68)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (70)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (96)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 657
Met Pro Val Phe Val Cys Ser Ile Gly Leu Cys Phe Leu Phe Ser Ile
1 5 10 15

Leu Leu Leu Phe Pro Pro Phe Gln Phe Ser Tyr Ile Cys Trp Leu Ser
20 25 30

Gln	Ala	Ser	Val	Tyr	Ser	Pro	Ser	Pro	Ser	Leu	Ser	Asn	Leu	Glu	Val
	35						40					45			
Leu	Leu	Cys	Leu	Ser	Ile	Leu	Leu	Met	Ile	Ile	Phe	Pro	Phe	Leu	Ile
	50					55					60				
Ser	Ile	Xaa	Xaa	Ile	Xaa	Ser	Ile	Gly	Arg	Leu	Ser	Thr	His	Met	Gly
	65				70					75				80	
Ala	His	Thr	His	Thr	His	Thr	His	Thr	His	Thr	His	Thr	His	Thr	Xaa
			85					90						95	
Val	Cys	Tyr	Trp	Pro	Leu	Leu	Leu	Ile	Ser	Gln	Glu	Asn	Glu	Pro	Phe
		100						105					110		
Arg	Met	Phe	Leu	Pro	Leu	His	Ser	Ala	Leu	Thr	Gln	Asn	Phe	Cys	Ser
	115						120					125			

<210> 658
 <211> 128
 <212> PRT
 <213> Homo sapiens

<400> 658															
Met	Pro	Val	Phe	Val	Cys	Ser	Ile	Gly	Leu	Cys	Phe	Leu	Phe	Ser	Ile
1				5					10					15	
Leu	Leu	Leu	Phe	Pro	Pro	Phe	Gln	Phe	Ser	Tyr	Ile	Cys	Trp	Leu	Ser
			20					25					30		
Gln	Ala	Ser	Val	Tyr	Ser	Pro	Ser	Pro	Ser	Leu	Ser	Asn	Leu	Glu	Val
	35						40					45			
Leu	Leu	Cys	Leu	Ser	Ile	Leu	Leu	Met	Ile	Ile	Phe	Pro	Phe	Leu	Ile
	50					55					60				
Ser	Ile	Ile	His	Ile	Phe	Ser	Ile	Gly	Arg	Leu	Ser	Thr	His	Met	Gly
	65				70					75				80	
Ala	His	Thr	His	Thr	His	Thr	His	Thr	His	Thr	His	Thr	His	Thr	Gln
			85					90						95	
Val	Cys	Tyr	Trp	Pro	Leu	Leu	Leu	Ile	Ser	Gln	Glu	Asn	Glu	Pro	Phe
		100						105					110		
Arg	Met	Phe	Leu	Pro	Leu	His	Ser	Ala	Leu	Thr	Gln	Asn	Phe	Cys	Ser
	115						120					125			

<210> 659
<211> 24
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 659
Met Ser Trp Arg Val Trp Ala Leu Xaa Phe Phe Pro Ala Val Cys Val
1 5 10 15
Cys Xaa Cys Val Cys Val Tyr Thr
20

<210> 660
<211> 65
<212> PRT
<213> Homo sapiens

<400> 660
Val Leu Met Arg Ser Asp Gly Phe Ile Arg Gly Phe Ser Pro Phe Cys
1 5 10 15
Trp Ala Leu Leu Leu Leu Pro Pro Arg Glu Glu Gly Cys Val Cys Phe
20 25 30
Pro Phe Cys His Asp Cys Lys Phe Pro Val Ala Ser Pro Ser Leu Arg
35 40 45
Asn Cys Glu Ser Ile Lys Ala Leu Phe Phe Ile Lys Lys Lys Lys Lys
50 55 60
Asn
65

<210> 661
<211> 38
<212> PRT
<213> Homo sapiens

<400> 661
Met Ser Trp Arg Val Trp Ala Leu Leu Phe Phe Pro Ala Val Cys Val
1 5 10 15

Cys Val Cys Val Cys Val Cys Ala Cys Thr Arg Thr Arg Val Cys Asp
20 25 30

Glu Thr Ile Lys Leu Val
35

<210> 662
<211> 37
<212> PRT
<213> Homo sapiens

<400> 662
Met Val Glu Ser Pro Val Cys Gly Leu Leu Glu Gly Trp Phe Phe Leu
1 5 10 15

Leu Phe Ser Leu Ala Phe Leu Ser Thr His Leu Phe Ser Glu Ala Ser
20 25 30

Pro Leu Ser Ile Leu
35

<210> 663
<211> 37
<212> PRT
<213> Homo sapiens

<400> 663
Met Val Glu Ser Pro Val Cys Gly Leu Leu Glu Gly Trp Phe Phe Leu
1 5 10 15

Leu Phe Ser Leu Ala Phe Leu Ser Thr His Leu Phe Ser Glu Ala Ser
20 25 30

Pro Leu Ser Ile Leu
35

<210> 664
<211> 58
<212> PRT
<213> Homo sapiens

<400> 664
Met Thr Leu Ser Val Leu Gln His Phe Phe Ile Cys Val Leu Leu Ile
1 5 10 15

Leu Leu Leu Asp Thr Asn Leu Cys Arg Gln Ile Ser Ser His Ser Phe
20 25 30

Glu Phe Ser Gly Asn Gln Pro Leu Val Phe Cys Cys Ile Ser Ser Ile
35 40 45

Ser Ala Lys Leu Val Leu Asp Gln Ala Gly
50 55

<210> 665
<211> 2
<212> PRT
<213> Homo sapiens

<400> 665
Leu Glu
1

<210> 666
<211> 58
<212> PRT
<213> Homo sapiens

<400> 666
Met Thr Leu Ser Val Leu Gln His Phe Phe Ile Cys Val Leu Leu Ile
1 5 10 15

Leu Leu Leu Asp Thr Asn Leu Cys Arg Gln Ile Ser Ser His Ser Phe
20 25 30

Glu Phe Ser Gly Asn Gln Pro Leu Val Phe Cys Cys Ile Ser Ser Ile
35 40 45

Ser Ala Lys Leu Val Leu Asp Gln Ala Gly
50 55

<210> 667
<211> 124
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (89)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (103)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (104)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (113)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (121)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 667
Val Ala Gln Val Gln Val Pro Gly Gly His Ile Gly Leu Gly Tyr Leu
1 5 10 15
Ala Arg Ile Asp Phe His Arg Arg Asp Gly Thr Gly Gly Ile Pro Ala
20 25 30
Arg Ile Asp Gly Gly Glu Ile Asp Val Ala Leu Leu Pro Gly Gln Ala
35 40 45
Val Asp His Ile Met Ala Arg Ala Cys Gly Gly Glu His Leu Ala Glu
50 55 60
Val Gly Arg Gly Thr Val Gln Gly Leu Leu Gly Arg Ala Val Leu Ala
65 70 75 80
Ala Gln Ala Arg Arg Ala Pro Pro Xaa Gln Pro Leu Pro Ala Thr Met
85 90 95
Gly Phe Trp Gly Trp Lys Xaa Xaa Pro Asn Arg Gly Leu Trp Phe Lys
100 105 110
Xaa Trp Lys Pro Pro Phe Gly Ala Xaa Gly Val Pro
115 120

<210> 668
<211> 283
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (174)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (189)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (205)
<223> Xaa equals any of the naturally occurring L-amino acids

Met	Lys	Ile	Val	Pro	Leu	Thr	Ala	Ala	Val	Leu	Ala	Leu	Val	Leu	Ala
1				5					10					15	
Pro	Ala	Ala	His	Ala	Gln	Pro	Ala	Asn	Lys	Ala	Thr	Thr	Val	Ser	Pro
			20					25					30		
Thr	Ala	Ala	Ala	Phe	Leu	Ala	Gln	Phe	Ala	Thr	Glu	Gly	Asn	Asp	Ser
			35				40					45			
Val	Ser	Trp	Ala	Gln	Phe	Glu	Ala	Phe	Arg	Lys	Gln	Arg	Tyr	Ala	Asp
	50					55					60				
Thr	Asp	Arg	Asn	Gln	Asp	Gly	His	Val	Asp	Glu	Gln	Glu	Tyr	Val	Asp
65					70					75					80
Glu	Tyr	Leu	Gln	Arg	Phe	Asp	Val	Arg	Leu	Ala	Asp	Ala	Arg	Ala	Gly
				85					90					95	
His	Leu	Arg	Gln	Thr	Asp	Thr	Arg	Phe	Lys	Ala	Leu	Asp	Arg	Asp	Gly
			100					105					110		
Asn	Gly	Ala	Ile	Ser	Arg	Ala	Glu	Tyr	Asp	Ala	Ala	Gly	Glu	Arg	Thr
		115					120					125			
Trp	Ala	Gly	Tyr	Glu	Arg	Ser	Gln	Asn	Ala	Thr	Gln	Glu	Thr	Ala	Ala
	130					135					140				
Ala	Ser	Ser	Arg	Asp	Pro	Leu	Lys	Met	Pro	Thr	Ser	His	Thr	Ala	Asn
145					150					155					160
Gly	Met	Leu	Asp	Leu	Tyr	Asp	Arg	Asn	Lys	Asp	Gly	Ala	Xaa	Asp	Arg
				165					170					175	
Glu	Glu	Phe	Asp	Ala	Val	Arg	Ala	Ala	Ser	Phe	Ala	Xaa	Thr	Asp	Thr
			180					185					190		
Asp	Gly	Asn	Gly	Thr	Leu	Ser	Leu	Ala	Glu	Tyr	Thr	Xaa	Glu	Phe	Glu
		195					200					205			
Gly	Arg	Leu	Asp	Gln	Gln	Arg	Gln	Arg	Val	Arg	Ala	Asp	Ala	Glu	Arg
	210					215					220				
Gln	Ala	Arg	Val	Arg	Phe	Ala	Ser	Leu	Asp	Lys	Asp	Thr	Asp	Gly	Arg
225					230					235					240
Met	Thr	Phe	Ala	Glu	Tyr	Gln	Leu	Ser	Gly	Lys	Arg	Met	Phe	Asp	Arg
				245					250					255	
Ala	Asp	Ser	Asn	Gly	Asp	Gly	Val	Val	Asp	Ala	Arg	Asp	Pro	Glu	Pro
			260					265					270		
Val	Ala	Gly	Ala	His	Ser	Ala	Asn	Gly	Asn	Arg					
		275					280								

<210> 669
<211> 283
<212> PRT
<213> Homo sapiens

<400> 669

Met	Lys	Ile	Val	Pro	Leu	Thr	Ala	Ala	Val	Leu	Ala	Leu	Val	Leu	Ala	
1				5					10					15		
Pro	Ala	Ala	His	Ala	Gln	Pro	Ala	Asn	Lys	Ala	Thr	Thr	Val	Ser	Pro	
			20					25					30			
Thr	Ala	Ala	Ala	Phe	Leu	Ala	Gln	Phe	Ala	Thr	Glu	Gly	Asn	Asp	Ser	
			35				40					45				
Val	Ser	Trp	Ala	Gln	Phe	Glu	Ala	Phe	Arg	Lys	Gln	Arg	Tyr	Ala	Asp	
	50					55					60					
Thr	Asp	Arg	Asn	Gln	Asp	Gly	His	Val	Asp	Glu	Gln	Glu	Tyr	Val	Asp	
65					70					75					80	
Glu	Tyr	Leu	Gln	Arg	Phe	Asp	Val	Arg	Leu	Ala	Asp	Ala	Arg	Ala	Gly	
				85					90						95	
His	Leu	Arg	Gln	Thr	Asp	Thr	Arg	Phe	Lys	Ala	Leu	Asp	Arg	Asp	Gly	
			100					105					110			
Asn	Gly	Ala	Ile	Ser	Arg	Ala	Glu	Tyr	Asp	Ala	Ala	Gly	Glu	Arg	Thr	
	115						120					125				
Trp	Ala	Gly	Tyr	Glu	Arg	Ser	Gln	Asn	Ala	Thr	Gln	Glu	Thr	Ala	Ala	
	130					135					140					
Ala	Ser	Ser	Arg	Asp	Pro	Leu	Lys	Met	Pro	Thr	Ser	His	Thr	Ala	Asn	
145					150					155					160	
Gly	Met	Leu	Asp	Leu	Tyr	Asp	Arg	Asn	Lys	Asp	Gly	Ala	Val	Asp	Arg	
			165						170					175		
Glu	Glu	Phe	Asp	Ala	Val	Arg	Ala	Ala	Ser	Phe	Ala	Ala	Thr	Asp	Thr	
			180					185					190			
Asp	Gly	Asn	Gly	Thr	Leu	Ser	Leu	Ala	Glu	Tyr	Thr	Ala	Glu	Phe	Glu	
	195						200					205				
Gly	Arg	Leu	Asp	Gln	Gln	Arg	Gln	Arg	Val	Arg	Ala	Asp	Ala	Glu	Arg	
	210					215					220					
Gln	Ala	Arg	Val	Arg	Phe	Ala	Ser	Leu	Asp	Lys	Asp	Thr	Asp	Gly	Arg	
225					230					235					240	
Met	Thr	Phe	Ala	Glu	Tyr	Gln	Leu	Ser	Gly	Lys	Arg	Met	Phe	Asp	Arg	
			245						250					255		
Ala	Asp	Ser	Asn	Gly	Asp	Gly	Val	Val	Asp	Ala	Arg	Asp	Pro	Glu	Pro	
			260				265						270			

Val Ala Gly Ala His Ser Ala Asn Gly Asn Arg
 275 280

<210> 670
 <211> 86
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (4)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (11)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 670
 Asn Leu Trp Xaa Ala His Phe Phe Leu Asn Xaa Ser Ser Ile Gln Ile
 1 5 10 15
 Glu Tyr Pro Pro Leu Ser Lys Met Leu Glu Thr Pro Lys Gly Lys Gly
 20 25 30
 Trp Phe Phe Gly Glu Phe Phe Phe Trp Val Phe Leu Phe Phe Leu Gly
 35 40 45
 Phe Ala Phe Gly Phe Trp Asn Ser Leu Phe Val Leu Tyr Leu Phe Val
 50 55 60
 Gly His Pro Lys Ser Glu Ile Cys Ser Lys Ile Gln Asn Val Lys Cys
 65 70 75 80
 Ser Ser Glu His Phe Leu
 85

<210> 671
 <211> 57
 <212> PRT
 <213> Homo sapiens

<400> 671
 Met Gly Leu Leu Pro Gly Trp Leu Leu Leu Trp Ala Arg Leu Lys Cys
 1 5 10 15
 Phe Cys Ala Val Gly Leu Gly Ser Leu Ala Ala Val Tyr Gly Arg Gly
 20 25 30
 Pro Gly Leu Pro Gln Asp Gln Leu Asp Cys Val Leu Trp Asp Cys Gly
 35 40 45
 Thr Leu Gly Leu Tyr Arg Gly Gln Phe

<210> 672
 <211> 12
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (8)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 672
 Leu Phe Ser Gly Trp Leu Val Xaa Leu Cys Gly Val
 1 5 10

<210> 673
 <211> 48
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (31)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 673
 Met Gly Glu Thr Leu Val Ser Val Phe Leu Lys Pro Pro Ala Leu Thr
 1 5 10 15

Trp Leu Leu Arg Ala Ile Cys Leu Met Val Gln Thr Trp Ala Xaa Gly
 20 25 30

Gln Arg Ser Trp Pro Gln Ser Leu Ala Leu Pro Cys Tyr Leu Asn Arg
 35 40 45

<210> 674
 <211> 29
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (3)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE

<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 674
Met Leu Xaa Ser Asn Ser Phe Ser Pro Ser Leu Ser Xaa Tyr Leu Cys
1 5 10 15
Xaa Leu Xaa Phe Ser Leu Xaa Ser Ser Lys Ser Ser Lys
20 25

<210> 675
<211> 29
<212> PRT
<213> Homo sapiens

<400> 675
Met Leu Cys Ser Asn Ser Phe Ser Pro Ser Leu Ser Val Tyr Leu Cys
1 5 10 15
Ser Leu Cys Phe Ser Leu Val Ser Ser Lys Ser Ser Lys
20 25

<210> 676
<211> 57
<212> PRT
<213> Homo sapiens

<400> 676
Met Pro Pro His Arg Gln Thr Asp Gly Gln Met Gly Leu Pro Ala Pro
1 5 10 15
Ala Leu Trp Val Trp Gly Leu Leu Leu Ser Ser Ser Phe Gln Thr Leu
20 25 30
Leu Pro Ala Phe Pro Lys Pro Pro Ala Leu Asn Leu Gly Cys Ser Thr
35 40 45
Arg Pro Ile Pro Ser Phe Leu Lys Ile

50

55

<210> 677
 <211> 93
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (24)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (65)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 677
 Gln Val Ser Leu Pro Thr Arg Leu Leu Gln Met Pro Gly Met Gly Leu
 1 5 10 15
 Asp Ser Arg Phe Gln Ala Trp Xaa Pro Ser Pro Tyr Leu Gly Pro Gln
 20 25 30
 Pro Arg Ala Pro Arg Pro Gly Leu Gln Pro Gly Pro Ser Leu Arg Gly
 35 40 45
 Ala Glu Phe Arg Glu Ser Cys Pro Arg Ser Gln Lys Arg Gly Arg Glu
 50 55 60
 Xaa Gly Arg Pro Cys Pro Gly Cys Arg Pro Gly Gly Trp Gly Leu Pro
 65 70 75 80
 Ala Arg Leu Gly Gln Pro Gln Leu Gln Thr Gly Pro Gly
 85 90

<210> 678
 <211> 57
 <212> PRT
 <213> Homo sapiens

<400> 678
 Met Pro Pro His Arg Gln Thr Asp Gly Gln Met Gly Leu Pro Ala Pro
 1 5 10 15
 Ala Leu Trp Val Trp Gly Leu Leu Leu Ser Ser Ser Phe Gln Thr Leu
 20 25 30
 Leu Pro Ala Phe Pro Lys Pro Pro Ala Leu Asn Leu Gly Cys Ser Thr
 35 40 45
 Arg Pro Ile Pro Ser Phe Leu Lys Ile
 50 55

<210> 679
<211> 25
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 679
Met Val Gly Arg Cys Ser Ile Leu Ser Ser Thr Pro Xaa Arg His Pro
1 5 10 15
Ser Leu Ser Trp Glu Gly Leu Gly Gly
20 25

<210> 680
<211> 25
<212> PRT
<213> Homo sapiens

<400> 680
Met Val Gly Arg Cys Ser Ile Leu Ser Ser Thr Pro Gln Arg His Pro
1 5 10 15
Ser Leu Ser Trp Glu Gly Leu Gly Gly
20 25

<210> 681
<211> 18
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 681
Met Gly Thr Gln Gly Cys Pro His Pro Ser Trp Leu Xaa Leu Leu Gly
1 5 10 15
Leu Ser

<210> 682
<211> 30

<212> PRT

<213> Homo sapiens

<400> 682

Met Gly Thr Gln Gly Cys Pro His Pro Ser Trp Leu Leu Leu Leu Gly
1 5 10 15

Leu Ser Trp Trp Gly Glu Gly Asp Gly Ala Val Gly Pro Cys
20 25 30

<210> 683

<211> 10

<212> PRT

<213> Homo sapiens

<400> 683

Ser Leu Leu Glu Leu Gly Leu Gly Pro Leu
1 5 10

<210> 684

<211> 206

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (41)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 684

Asp Xaa Xaa Pro Gly Ala Tyr Ala Gly Phe Arg Pro Asn Ala Asn Arg
1 5 10 15

Ile Ser Phe Pro Val Phe Arg Asn Asn Val Cys Pro Trp Pro Glu Ala
20 25 30

Leu Arg Ser Ala Pro Lys Leu Leu Xaa Leu Asp Glu Pro Met Gly Ala
35 40 45

Leu Asp Lys Lys Leu Arg Asp Arg Met Gln Leu Glu Val Val Asp Ile
50 55 60

Leu Glu Arg Val Gly Val Thr Cys Val Met Val Thr His Asp Gln Glu

65		70		75		80
Glu Ala Met Thr Met Ala Gly Arg Ile Ala Ile Met Asn Arg Gly Lys						
	85		90		95	
Phe Val Gln Ile Gly Glu Pro Glu Glu Ile Tyr Glu His Pro Thr Thr						
	100		105		110	
Arg Tyr Ser Ala Glu Phe Ile Gly Ser Val Asn Val Phe Glu Gly Val						
	115		120		125	
Leu Lys Glu Arg Gln Glu Asp Gly Leu Val Leu Asp Ser Pro Gly Leu						
	130		135		140	
Val His Pro Leu Lys Val Asp Ala Asp Ala Ser Val Val Asp Asn Val						
	145		150		155	160
Pro Val His Val Ala Leu Arg Pro Glu Lys Ile Met Leu Cys Glu Glu						
	165		170		175	
Pro Pro Ala Asn Gly Cys Asn Phe Ala Val Gly Glu Val Ile His Ile						
	180		185		190	
Ala Tyr Leu Gly Asp Leu Ser Val Tyr His Val Arg Leu Lys						
	195		200		205	

<210> 685
 <211> 440
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (168)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (169)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (173)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (180)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (191)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 685

Met	Ala	Ser	Leu	Val	Ser	Leu	Glu	Leu	Gly	Leu	Leu	Leu	Ala	Val	Leu	
1				5					10					15		
Val	Val	Thr	Ala	Thr	Ala	Ser	Pro	Pro	Ala	Gly	Leu	Leu	Ser	Leu	Leu	
			20					25					30			
Thr	Ser	Gly	Gln	Gly	Ala	Leu	Asp	Gln	Glu	Ala	Leu	Gly	Gly	Leu	Leu	
		35					40					45				
Asn	Thr	Leu	Ala	Asp	Arg	Val	His	Cys	Ala	Asn	Gly	Pro	Cys	Gly	Lys	
	50					55					60					
Cys	Leu	Ser	Val	Glu	Asp	Ala	Leu	Gly	Leu	Gly	Glu	Pro	Glu	Gly	Ser	
65					70					75					80	
Gly	Leu	Pro	Pro	Gly	Pro	Val	Leu	Glu	Ala	Arg	Tyr	Val	Ala	Arg	Leu	
				85					90					95		
Ser	Ala	Ala	Ala	Val	Leu	Tyr	Leu	Ser	Asn	Pro	Glu	Gly	Thr	Cys	Glu	
			100					105					110			
Asp	Ala	Arg	Ala	Gly	Leu	Trp	Ala	Ser	His	Ala	Asp	His	Leu	Leu	Ala	
	115						120					125				
Leu	Leu	Glu	Ser	Pro	Lys	Ala	Leu	Thr	Pro	Gly	Leu	Ser	Trp	Leu	Leu	
	130					135					140					
Gln	Arg	Met	Gln	Ala	Arg	Ala	Ala	Gly	Gln	Thr	Pro	Lys	Thr	Ala	Cys	
145					150					155					160	
Val	Asp	Ile	Pro	Gln	Leu	Leu	Xaa	Xaa	Ala	Val	Gly	Xaa	Gly	Ala	Pro	
				165					170				175			
Gly	Ser	Ala	Xaa	Gly	Val	Leu	Ala	Ala	Leu	Leu	Asp	His	Val	Xaa	Ser	
		180						185					190			
Gly	Ser	Cys	Phe	His	Ala	Leu	Pro	Ser	Pro	Gln	Tyr	Phe	Val	Asp	Phe	
		195					200					205				
Val	Phe	Gln	Gln	His	Ser	Ser	Glu	Val	Pro	Met	Thr	Leu	Ala	Glu	Leu	
	210					215					220					
Ser	Ala	Leu	Met	Gln	Arg	Leu	Gly	Val	Gly	Arg	Glu	Ala	His	Ser	Asp	
225					230					235					240	
His	Ser	His	Arg	His	Arg	Gly	Ala	Ser	Ser	Arg	Asp	Pro	Val	Pro	Leu	
				245					250					255		
Ile	Ser	Ser	Ser	Asn	Ser	Ser	Ser	Val	Trp	Asp	Thr	Val	Cys	Leu	Ser	
			260					265					270			
Ala	Arg	Asp	Val	Met	Ala	Ala	Tyr	Gly	Leu	Ser	Glu	Gln	Ala	Gly	Val	
		275					280					285				
Thr	Pro	Glu	Ala	Trp	Ala	Gln	Leu	Ser	Pro	Ala	Leu	Leu	Gln	Gln	Gln	

290	295	300
Leu Ser Gly Ala Cys Thr Ser Gln Ser Arg Pro Pro Val Gln Asp Gln		
305	310	315 320
Leu Ser Gln Ser Glu Arg Tyr Leu Tyr Gly Ser Leu Ala Thr Leu Leu		
	325	330 335
Ile Cys Leu Cys Ala Val Phe Gly Leu Leu Leu Leu Thr Cys Thr Gly		
	340	345 350
Cys Arg Gly Val Thr His Tyr Ile Leu Gln Thr Phe Leu Ser Leu Ala		
	355	360 365
Val Gly Ala Leu Thr Gly Asp Ala Val Leu His Leu Thr Pro Lys Val		
	370	375 380
Leu Gly Leu His Thr His Ser Glu Glu Gly Leu Ser Pro Gln Pro Thr		
385	390	395 400
Trp Arg Leu Leu Ala Met Leu Ala Gly Leu Tyr Ala Phe Phe Leu Phe		
	405	410 415
Glu Asn Leu Phe Asn Leu Leu Leu Pro Arg Asp Pro Glu Asp Leu Glu		
	420	425 430
Asp Gly Pro Ala Ala Thr Ala Ala		
	435	440

<210> 686
 <211> 647
 <212> PRT
 <213> Homo sapiens

<400> 686

Met Ala Ser Leu Val Ser Leu Glu Leu Gly Leu Leu Leu Ala Val Leu
1 5 10 15
Val Val Thr Ala Thr Ala Ser Pro Pro Ala Gly Leu Leu Ser Leu Leu
20 25 30
Thr Ser Gly Gln Gly Ala Leu Asp Gln Glu Ala Leu Gly Gly Leu Leu
35 40 45
Asn Thr Leu Ala Asp Arg Val His Cys Ala Asn Gly Pro Cys Gly Lys
50 55 60
Cys Leu Ser Val Glu Asp Ala Leu Gly Leu Gly Glu Pro Glu Gly Ser
65 70 75 80
Gly Leu Pro Pro Gly Pro Val Leu Glu Ala Arg Tyr Val Ala Arg Leu
85 90 95
Ser Ala Ala Ala Val Leu Tyr Leu Ser Asn Pro Glu Gly Thr Cys Glu
100 105 110

Asp	Ala	Arg	Ala	Gly	Leu	Trp	Ala	Ser	His	Ala	Asp	His	Leu	Leu	Ala	115	120	125
Leu	Leu	Glu	Ser	Pro	Lys	Ala	Leu	Thr	Pro	Gly	Leu	Ser	Trp	Leu	Leu	130	135	140
Gln	Arg	Met	Gln	Ala	Arg	Ala	Ala	Gly	Gln	Thr	Pro	Lys	Thr	Ala	Cys	145	150	155
Val	Asp	Ile	Pro	Gln	Leu	Leu	Glu	Glu	Ala	Val	Gly	Ala	Gly	Ala	Pro	165	170	175
Gly	Ser	Ala	Gly	Gly	Val	Leu	Ala	Ala	Leu	Leu	Asp	His	Val	Arg	Ser	180	185	190
Gly	Ser	Cys	Phe	His	Ala	Leu	Pro	Ser	Pro	Gln	Tyr	Phe	Val	Asp	Phe	195	200	205
Val	Phe	Gln	Gln	His	Ser	Ser	Glu	Val	Pro	Met	Thr	Leu	Ala	Glu	Leu	210	215	220
Ser	Ala	Leu	Met	Gln	Arg	Leu	Gly	Val	Gly	Arg	Glu	Ala	His	Ser	Asp	225	230	235
His	Ser	His	Arg	His	Arg	Gly	Ala	Ser	Ser	Arg	Asp	Pro	Val	Pro	Leu	245	250	255
Ile	Ser	Ser	Ser	Asn	Ser	Ser	Ser	Val	Trp	Asp	Thr	Val	Cys	Leu	Ser	260	265	270
Ala	Arg	Asp	Val	Met	Ala	Ala	Tyr	Gly	Leu	Ser	Glu	Gln	Ala	Gly	Val	275	280	285
Thr	Pro	Glu	Ala	Trp	Ala	Gln	Leu	Ser	Pro	Ala	Leu	Leu	Gln	Gln	Gln	290	295	300
Leu	Ser	Gly	Ala	Cys	Thr	Ser	Gln	Ser	Arg	Pro	Pro	Val	Gln	Asp	Gln	305	310	315
Leu	Ser	Gln	Ser	Glu	Arg	Tyr	Leu	Tyr	Gly	Ser	Leu	Ala	Thr	Leu	Leu	325	330	335
Ile	Cys	Leu	Cys	Ala	Val	Phe	Gly	Leu	Leu	Leu	Leu	Thr	Cys	Thr	Gly	340	345	350
Cys	Arg	Gly	Val	Thr	His	Tyr	Ile	Leu	Gln	Thr	Phe	Leu	Ser	Leu	Ala	355	360	365
Val	Gly	Ala	Leu	Thr	Gly	Asp	Ala	Val	Leu	His	Leu	Thr	Pro	Lys	Val	370	375	380
Leu	Gly	Leu	His	Thr	His	Ser	Glu	Glu	Gly	Leu	Ser	Pro	Gln	Pro	Thr	385	390	395
Trp	Arg	Leu	Leu	Ala	Met	Leu	Ala	Gly	Leu	Tyr	Ala	Phe	Phe	Leu	Phe	405	410	415

Glu Asn Leu Phe Asn Leu Leu Leu Pro Arg Asp Pro Glu Asp Leu Glu
 420 425 430

Asp Gly Pro Cys Gly His Ser Ser His Ser His Gly Gly His Ser His
 435 440 445

Gly Val Ser Leu Gln Leu Ala Pro Ser Glu Leu Arg Gln Pro Lys Pro
 450 455 460

Pro His Glu Gly Ser Arg Ala Asp Leu Val Ala Glu Glu Ser Pro Glu
 465 470 475 480

Leu Leu Asn Pro Glu Pro Arg Arg Leu Ser Pro Glu Leu Arg Leu Leu
 485 490 495

Pro Tyr Met Ile Thr Leu Gly Asp Ala Val His Asn Phe Ala Asp Gly
 500 505 510

Leu Ala Val Gly Ala Ala Phe Ala Ser Ser Trp Lys Thr Gly Leu Ala
 515 520 525

Thr Ser Leu Ala Val Phe Cys His Glu Leu Pro His Glu Leu Gly Asp
 530 535 540

Phe Ala Ala Leu Leu His Ala Gly Leu Ser Val Arg Gln Ala Leu Leu
 545 550 555 560

Leu Asn Leu Ala Ser Ala Leu Thr Ala Phe Ala Gly Leu Tyr Val Ala
 565 570 575

Leu Ala Val Gly Val Ser Glu Glu Ser Glu Ala Trp Ile Leu Ala Val
 580 585 590

Ala Thr Gly Leu Phe Leu Tyr Val Ala Leu Cys Asp Met Leu Pro Ala
 595 600 605

Met Leu Lys Val Arg Asp Pro Arg Pro Trp Leu Leu Phe Leu Leu His
 610 615 620

Asn Val Gly Leu Leu Gly Gly Trp Thr Val Leu Leu Leu Leu Ser Leu
 625 630 635 640

Tyr Glu Asp Asp Ile Thr Phe
 645

<210> 687

<211> 49

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (48)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 687

Ile Ser Val Ile Phe Asn Asp Thr Val Lys Lys Thr Met Gln Glu Cys
1 5 10 15

Ser Ala Met Lys Gln Ile Phe Lys Asp Leu Phe Thr Gly Phe Leu Ser
20 25 30

Trp Asn Ile His Leu Phe Pro Arg Cys Leu Cys Asp Ser Glu Ile Xaa
35 40 45

Pro

<210> 688

<211> 307

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (249)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (261)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 688

Met Leu Arg Val Val Glu Gly Ile Phe Ile Phe Val Val Val Ser Glu
1 5 10 15

Ser Val Phe Gly Val Leu Gly Asn Gly Phe Ile Gly Leu Val Asn Cys
20 25 30

Ile Asp Cys Ala Lys Asn Lys Leu Ser Thr Ile Gly Phe Ile Leu Thr
35 40 45

Gly Leu Ala Ile Ser Arg Ile Phe Leu Ile Trp Ile Ile Ile Thr Asp
50 55 60

Gly Phe Ile Gln Ile Phe Ser Pro Asn Ile Tyr Ala Ser Gly Asn Leu
65 70 75 80

Ile Glu Tyr Ile Ser Tyr Phe Trp Val Ile Gly Asn Gln Ser Ser Met
85 90 95

Trp Phe Ala Thr Ser Leu Ser Ile Phe Tyr Phe Leu Lys Ile Ala Asn
100 105 110

Phe Ser Asn Tyr Ile Phe Leu Trp Leu Lys Ser Arg Thr Asn Met Val
115 120 125

Leu Pro Phe Met Ile Val Phe Leu Leu Ile Ser Ser Leu Leu Asn Phe

130		135		140
Ala Tyr Ile Ala Lys Ile Leu Asn Asp Tyr Lys Met Lys Asn Asp Thr				
145		150		155 160
Val Trp Asp Leu Asn Met Tyr Lys Ser Glu Tyr Phe Ile Lys Gln Ile				
	165		170	175
Leu Leu Asn Leu Gly Val Ile Phe Phe Phe Thr Leu Ser Leu Ile Thr				
	180		185	190
Cys Ile Phe Leu Ile Ile Ser Leu Trp Arg His Asn Arg Gln Met Gln				
	195		200	205
Ser Asn Val Thr Gly Leu Arg Asp Ser Asn Thr Glu Ala His Val Lys				
	210		215	220
Ala Met Lys Val Leu Ile Ser Phe Ile Ile Leu Phe Ile Leu Tyr Phe				
225		230		235 240
Ile Gly Met Ala Ile Glu Ile Ser Xaa Phe Thr Val Arg Glu Asn Lys				
	245		250	255
Leu Leu Leu Met Xaa Gly Met Thr Thr Thr Ala Ile Tyr Pro Trp Gly				
	260		265	270
His Ser Phe Ile Leu Ile Leu Gly Asn Ser Lys Leu Lys Gln Ala Ser				
	275		280	285
Leu Arg Val Leu Gln Gln Leu Lys Cys Cys Glu Lys Arg Lys Asn Leu				
	290		295	300
Arg Val Thr				
305				

<210> 689
 <211> 181
 <212> PRT
 <213> Homo sapiens

<400> 689
 Met Val Leu Pro Phe Met Ile Val Phe Leu Leu Ile Ser Ser Leu Leu
 1 5 10 15
 Asn Phe Ala Tyr Ile Ala Lys Ile Leu Asn Asp Tyr Lys Met Lys Asn
 20 25 30
 Asp Thr Val Trp Asp Leu Asn Met Tyr Lys Ser Glu Tyr Phe Ile Lys
 35 40 45
 Gln Ile Leu Leu Asn Leu Gly Val Ile Phe Phe Phe Thr Leu Ser Leu
 50 55 60
 Ile Thr Cys Ile Phe Leu Ile Ile Ser Leu Trp Arg His Asn Arg Gln
 65 70 75 80

Met Gln Ser Asn Val Thr Gly Leu Arg Asp Ser Asn Thr Glu Ala His
 85 90 95
 Val Lys Ala Met Lys Val Leu Ile Ser Phe Ile Ile Leu Phe Ile Leu
 100 105 110
 Tyr Phe Ile Gly Met Ala Ile Glu Ile Ser Cys Phe Thr Val Arg Glu
 115 120 125
 Asn Lys Leu Leu Leu Met Phe Gly Met Thr Thr Thr Ala Ile Tyr Pro
 130 135 140
 Trp Gly His Ser Phe Ile Leu Ile Leu Gly Asn Ser Lys Leu Lys Gln
 145 150 155 160
 Ala Ser Leu Arg Val Leu Gln Gln Leu Lys Cys Cys Glu Lys Arg Lys
 165 170 175
 Asn Leu Arg Val Thr
 180

<210> 690
 <211> 70
 <212> PRT
 <213> Homo sapiens

<400> 690
 Ala Ala Met Arg Arg Trp Ala Ser Ser Ser Leu Glu Gly Glu Glu Leu
 1 5 10 15
 Ser Thr Gln Arg Asp Leu Thr Arg Lys Val His Pro Pro Ser Thr Gln
 20 25 30
 Glu Ala Pro Ala Asp Ser Met Cys Phe Arg Leu Cys Trp Pro Asn Gly
 35 40 45
 Leu Cys Arg Asp Tyr Ser Ala Leu Pro Leu Trp Leu Gln Ser Asp His
 50 55 60
 Arg Pro Ser Glu Ser Glu
 65 70

<210> 691
 <211> 88
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (63)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220> .
<221> SITE
<222> (73)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 691

Met Pro Val Gly Ser Leu Pro His Pro Gly Cys Leu Trp Ala Ala Phe
1 5 10 15

Leu Thr Leu Asp Ala Cys Gly Leu Pro Ser Ser Pro Trp Met Pro Val
20 25 30

Gly Ser Leu Pro His Pro Gly Cys Leu Trp Ala Ala Phe Leu Thr Leu
35 40 45

Asp Ala Cys Gly Gln Pro Ser Ser Pro Trp Met Pro Val Gly Xaa Leu
50 55 60

Leu Thr Leu Asp Ala Cys Gly Gln Xaa Ser Ser Pro Gly Cys Leu Trp
65 70 75 80

Ala Ala Phe Leu Thr Trp Ser Leu
85

<210> 692

<211> 190

<212> PRT

<213> Homo sapiens

<400> 692

Met Pro Val Gly Ser Leu Pro His Pro Gly Cys Leu Trp Ala Ala Phe
1 5 10 15

Leu Thr Leu Asp Ala Cys Gly Leu Pro Ser Ser Pro Trp Met Pro Val
20 25 30

Gly Ser Leu Pro His Pro Gly Cys Leu Trp Ala Ala Phe Leu Thr Leu
35 40 45

Asp Ala Cys Gly Gln Pro Ser Ser Pro Trp Met Pro Val Gly Cys Leu
50 55 60

Pro His Pro Gly Cys Leu Trp Ala Ala Phe Leu Thr Leu Asp Ala Cys
65 70 75 80

Gly Gln Pro Ser Ser Pro Trp Met Pro Val Thr Trp Phe Pro Trp Gly
85 90 95

Leu Pro Lys Leu Arg Asp Pro Lys Pro Pro Ser Asn Leu Met Thr Arg
100 105 110

Pro Val Ser Glu His Thr Cys Val Val Pro Glu Pro Leu Thr Asn Pro
115 120 125

Leu Cys Asn Pro Ala His Ala Phe Pro Ile Leu Lys Gly Pro Ala His

130		135		140
Arg Pro Ala His Val Phe Pro Leu Pro Leu Leu Cys Pro Tyr Leu Val				
145		150		155
				160
Gly Ser Cys Pro Phe Trp Ala Leu Val Trp His Phe Thr His Lys Cys				
	165		170	175
Val Leu Trp Val Val Ser Gly Pro Pro Pro Ala Val Arg Gly				
	180		185	190

<210> 693
 <211> 38
 <212> PRT
 <213> Homo sapiens

<400> 693
Met Trp Leu Ser Pro Val Pro Gly Val Cys Ala Ala Val Leu Ala Leu
1 5 10 15
Ser Phe Trp Ile Ala Lys Phe Pro Gly Glu Gly Thr Ala Ile Ala Lys
20 25 30
Ala Leu Gly Arg Leu Lys
35

<210> 694
 <211> 38
 <212> PRT
 <213> Homo sapiens

<400> 694
Met Trp Leu Ser Pro Val Pro Gly Val Cys Ala Ala Val Leu Ala Leu
1 5 10 15
Ser Phe Trp Ile Ala Lys Phe Pro Gly Glu Gly Thr Ala Ile Ala Lys
20 25 30
Ala Leu Gly Arg Leu Lys
35

<210> 695
 <211> 26
 <212> PRT
 <213> Homo sapiens

<400> 695
Gly Leu Phe Leu Gly Gln Met Asn Trp Ile Phe Ser Cys Cys Phe Ser
1 5 10 15
Asn Asn Val Thr Thr Thr Val Lys Lys Arg

20

25

<210> 696
 <211> 166
 <212> PRT
 <213> Homo sapiens

<400> 696
 Met Ser Phe Thr Val Ser Met Ala Ile Gly Leu Val Leu Gly Gly Phe
 1 5 10 15

 Ile Trp Ala Val Phe Ile Cys Leu Ser Arg Arg Arg Arg Ala Ser Ala
 20 25 30

 Pro Ile Ser Gln Trp Ser Ser Ser Arg Arg Ser Arg Ser Ser Tyr Thr
 35 40 45

 His Gly Leu Asn Arg Thr Gly Phe Tyr Arg His Ser Gly Cys Glu Arg
 50 55 60

 Arg Ser Asn Leu Ser Leu Ala Ser Leu Thr Phe Gln Arg Gln Ala Ser
 65 70 75 80

 Leu Glu Gln Ala Asn Ser Phe Pro Arg Lys Ser Ser Phe Arg Ala Ser
 85 90 95

 Thr Phe His Pro Phe Leu Gln Cys Pro Pro Leu Pro Val Glu Thr Glu
 100 105 110

 Ser Gln Leu Val Thr Leu Pro Ser Ser Asn Ile Ser Pro Thr Ile Ser
 115 120 125

 Thr Ser His Ser Leu Ser Arg Pro Asp Tyr Trp Ser Ser Asn Ser Leu
 130 135 140

 Arg Val Gly Leu Ser Thr Pro Pro Pro Pro Ala Tyr Glu Ser Ile Ile
 145 150 155 160

 Lys Ala Phe Pro Asp Ser
 165

<210> 697
 <211> 166
 <212> PRT
 <213> Homo sapiens

<400> 697
 Met Ser Phe Thr Val Ser Met Ala Ile Gly Leu Val Leu Gly Gly Phe
 1 5 10 15

 Ile Trp Ala Val Phe Ile Cys Leu Ser Arg Arg Arg Arg Ala Ser Ala
 20 25 30

Val Val Gly Cys Leu Gly Cys Ser Phe Phe Cys Pro Arg Arg Tyr Tyr
20 25 30

Lys Lys Leu Asn Leu His Lys Ala Cys Met Glu Asn Ser Val Ser Ala
35 40 45

Glu Ile Arg Ser Asp Arg
50

<210> 700
<211> 240
<212> PRT
<213> Homo sapiens

<400> 700
Met Ser Arg Tyr Leu Leu Pro Leu Ser Ala Leu Gly Thr Val Ala Gly
1 5 10 15

Ala Ala Val Leu Leu Lys Asp Tyr Val Thr Gly Gly Ala Cys Pro Ser
20 25 30

Lys Ala Thr Ile Pro Gly Lys Thr Val Ile Val Thr Gly Ala Asn Thr
35 40 45

Gly Ile Gly Lys Gln Thr Ala Leu Glu Leu Ala Arg Arg Gly Gly Asn
50 55 60

Ile Ile Leu Ala Cys Arg Asp Met Glu Lys Cys Glu Ala Ala Ala Lys
65 70 75 80

Asp Ile Arg Gly Glu Thr Leu Asn His His Val Asn Ala Arg His Leu
85 90 95

Asp Leu Ala Ser Leu Lys Ser Ile Arg Glu Phe Ala Ala Lys Ile Ile
100 105 110

Glu Glu Glu Glu Arg Val Asp Ile Leu Ile Asn Asn Ala Gly Val Met
115 120 125

Arg Cys Pro His Trp Thr Thr Glu Asp Gly Phe Glu Met Gln Phe Gly
130 135 140

Val Asn His Leu Gly His Phe Leu Leu Thr Asn Leu Leu Leu Asp Lys
145 150 155 160

Leu Lys Ala Ser Ala Pro Ser Arg Ile Ile Asn Leu Ser Ser Leu Ala
165 170 175

His Val Ala Gly His Ile Asp Phe Asp Asp Leu Asn Trp Gln Thr Arg
180 185 190

Lys Tyr Asn Thr Lys Ala Ala Tyr Cys Gln Ser Lys Leu Ala Ile Val
195 200 205

Leu Phe Thr Lys Glu Leu Ser Arg Arg Leu Gln Gly Thr Gly Ala Leu
 210 215 220

Gly Ser Ala Ser Leu Leu Leu Tyr Ser Glu Pro Arg Ala Ala Phe Pro
 225 230 235 240

<210> 701
 <211> 246
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (222)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (223)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (236)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (242)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (244)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 701
 Met Gly Ala Ala Val Phe Phe Gly Cys Thr Phe Val Ala Phe Gly Pro
 1 5 10 15

Ala Phe Ala Leu Phe Leu Ile Thr Val Ala Gly Asp Pro Leu Arg Val
 20 25 30

Ile Ile Leu Val Ala Gly Ala Phe Phe Trp Leu Val Ser Leu Leu Leu
 35 40 45

Ala Ser Val Val Trp Phe Ile Leu Val His Val Thr Asp Arg Ser Asp
 50 55 60

Ala Arg Leu Gln Tyr Gly Leu Leu Ile Phe Gly Ala Ala Val Ser Val
 65 70 75 80

Phe Thr Ala Lys Thr Leu Asn Ile Ser Arg Ala Tyr His Ile Leu Asn
 35 40 45
 Thr Leu Trp Ser Cys Ser Tyr Phe Asn Ile Pro Gly Ser Gly Gly Gln
 50 55 60
 Leu Ala Cys Leu Trp Leu Arg Ile Cys Phe His Ala Cys Phe Leu Ser
 65 70 75 80
 Phe Phe Tyr Leu

<210> 704
 <211> 5
 <212> PRT
 <213> Homo sapiens

<400> 704
 Val Leu Leu Ile Leu
 1 5

<210> 705
 <211> 266
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (45)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (47)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (51)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (134)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (183)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (222)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (224)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (255)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 705
Met Pro Arg His Leu Ser Gly Leu Leu Leu Leu Trp Pro Leu Leu
1 5 10 15
Leu Leu Leu Pro Pro Thr Pro Ala Ala Pro Gly Pro Leu Ala Arg Pro
20 25 30
Gly Leu Arg Arg Leu Gly Thr Arg Gly Pro Gly Gly Xaa Pro Xaa Arg
35 40 45
Arg Pro Xaa Ser Ala Val Pro Thr Arg Ala Pro Tyr Ser Gly Ala Gly
50 55 60
Gln Pro Gly Gly Ala Arg Gly Ala Gly Val Cys Arg Ser Arg Pro Leu
65 70 75 80
Asp Leu Val Phe Ile Ile Asp Ser Ser Arg Ser Val Arg Pro Leu Glu
85 90 95
Phe Thr Lys Val Lys Thr Phe Val Ser Gln Ile Ile Asp Thr Leu Asp
100 105 110
Ile Gly Ala Ala Asp Thr Arg Val Ala Val Val Asn Tyr Ala Ser Thr
115 120 125
Val Lys Ile Glu Phe Xaa Leu Gln Thr His Ser Asp Lys Gln Ser Leu
130 135 140
Lys Gln Ala Val Ala Arg Ile Thr Pro Leu Ser Thr Gly Thr Met Ser
145 150 155 160
Gly Leu Ala Ile Gln Thr Ala Met Asp Glu Ala Phe Thr Val Glu Ala
165 170 175
Gly Ala Arg Gly Pro Thr Xaa Asn Ile Pro Lys Val Ala Ile Ile Val
180 185 190
Thr Asp Gly Arg Pro Gln Asp Gln Val Asn Glu Val Ala Ala Arg Ala
195 200 205
Arg Ala Ser Gly Ile Glu Leu Tyr Ala Val Gly Val Asp Xaa Ala Xaa
210 215 220

Met Glu Ser Leu Gln Asp Glu Trp Pro Ala Lys Pro Leu Asp Glu His
 225 230 235 240

Val Phe Tyr Val Glu Thr Tyr Gly Val Ile Glu Lys Pro Ser Xaa Arg
 245 250 255

Phe Gln Glu Thr Leu Leu Arg Ser Trp Asn
 260 265

<210> 706

<211> 484

<212> PRT

<213> Homo sapiens

<400> 706

Met Pro Arg His Leu Ser Gly Leu Leu Leu Leu Trp Pro Leu Leu
 1 5 10 15

Leu Leu Leu Pro Pro Thr Pro Ala Ala Pro Gly Pro Leu Ala Arg Pro
 20 25 30

Gly Leu Arg Arg Leu Gly Thr Arg Gly Pro Gly Gly Ser Pro Gly Arg
 35 40 45

Arg Pro Gly Ser Ala Val Pro Thr Arg Ala Pro Tyr Ser Gly Ala Gly
 50 55 60

Gln Pro Gly Gly Ala Arg Gly Ala Gly Val Cys Arg Ser Arg Pro Leu
 65 70 75 80

Asp Leu Val Phe Ile Ile Asp Ser Ser Arg Ser Val Arg Pro Leu Glu
 85 90 95

Phe Thr Lys Val Lys Thr Phe Val Ser Gln Ile Ile Asp Thr Leu Asp
 100 105 110

Ile Gly Ala Ala Asp Thr Arg Val Ala Val Val Asn Tyr Ala Ser Thr
 115 120 125

Val Lys Ile Glu Phe His Leu Gln Thr His Ser Asp Lys Gln Ser Leu
 130 135 140

Lys Gln Ala Val Ala Arg Ile Thr Pro Leu Ser Thr Gly Thr Met Ser
 145 150 155 160

Gly Leu Ala Ile Gln Thr Ala Met Asp Glu Ala Phe Thr Val Glu Ala
 165 170 175

Gly Ala Arg Gly Pro Thr Ser Asn Ile Pro Lys Val Ala Ile Ile Val
 180 185 190

Thr Asp Gly Arg Pro Gln Asp Gln Val Asn Glu Val Ala Ala Arg Ala
 195 200 205

Arg Ala Ser Gly Ile Glu Leu Tyr Ala Val Gly Val Asp Arg Ala Asp

210	215	220
Met Glu Ser Leu Lys	Met Met Ala Ser Glu	Pro Leu Asp Glu His Val
225	230	235 240
Phe Tyr Val Glu Thr	Tyr Gly Val Ile Glu Lys	Leu Ser Ser Arg Phe
	245	250 255
Gln Glu Thr Phe Cys	Ala Leu Asp Pro Cys	Val Leu Gly Thr His Arg
	260	265 270
Cys Gln His Val Cys	Val Ser Asp Gly Glu	Gly Lys His His Cys Glu
	275	280 285
Cys Ser Gln Gly Tyr	Ser Leu Asn Ala Asp	Gln Lys Thr Cys Ser Ala
	290	295 300
Ile Asp Lys Cys Ala	Leu Asn Thr His Gly	Cys Glu His Ile Cys Val
305	310	315 320
Asn Asp Arg Thr Gly	Ser Tyr His Cys Glu	Cys Tyr Glu Gly Tyr Thr
	325	330 335
Leu Asn Gln Asp Arg	Lys Thr Cys Ser Ala	Gln Asp Gln Cys Ala Phe
	340	345 350
Gly Thr His Gly Cys	Gln His Ile Cys Val	Asn Asp Arg Asp Gly Ser
	355	360 365
His His Cys Glu Cys	Tyr Glu Gly Tyr Thr	Leu Asn Ala Asp Asn Lys
	370	375 380
Thr Cys Ser Val Arg	Ser Glu Cys Ala Gly	Gly Ser His Gly Cys Gln
385	390	395 400
His Leu Cys Val Asp	Asp Gly Pro Ala Ala	Tyr His Cys Asp Cys Phe
	405	410 415
Pro Gly Tyr Thr Leu	Thr Glu Asp Arg Arg	Thr Cys Ala Ala Ile Glu
	420	425 430
Glu Ala Arg Arg Leu	Val Ser Thr Glu Asp	Ala Cys Gly Cys Glu Ala
	435	440 445
Thr Leu Ala Phe Gln	Glu Arg Ala Ser Ser	Tyr Leu Gln Arg Leu Asn
	450	455 460
Ala Lys Leu Asp Asp	Ile Leu Gly Lys Leu	Gln Ala Asp Ala Tyr Gly
465	470	475 480
Gln Ile His Arg		

<210> 707

<211> 368

<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (310)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (365)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 707

Met	Gln	Pro	Ser	Ser	Leu	Leu	Pro	Leu	Ala	Leu	Cys	Leu	Leu	Ala	Ala
1				5					10					15	
Pro	Ala	Ser	Ala	Leu	Val	Arg	Ile	Pro	Leu	His	Lys	Phe	Thr	Ser	Ile
			20					25					30		
Arg	Arg	Thr	Met	Ser	Glu	Val	Gly	Gly	Ser	Val	Glu	Asp	Leu	Ile	Ala
		35					40					45			
Lys	Gly	Pro	Val	Ser	Lys	Tyr	Ser	Gln	Ala	Val	Pro	Ala	Val	Thr	Glu
	50					55					60				
Gly	Pro	Ile	Pro	Glu	Val	Leu	Lys	Asn	Tyr	Met	Asp	Ala	Gln	Tyr	Tyr
65					70					75					80
Gly	Glu	Ile	Gly	Ile	Gly	Thr	Pro	Pro	Gln	Cys	Phe	Thr	Val	Val	Phe
				85					90					95	
Asp	Thr	Gly	Ser	Ser	Asn	Leu	Trp	Val	Pro	Ser	Ile	His	Cys	Lys	Leu
			100					105					110		
Leu	Asp	Ile	Ala	Cys	Trp	Ile	His	His	Lys	Tyr	Asn	Ser	Asp	Lys	Ser
	115						120					125			
Ser	Thr	Tyr	Val	Lys	Asn	Gly	Thr	Ser	Phe	Asp	Ile	His	Tyr	Gly	Ser
	130					135					140				
Gly	Ser	Leu	Ser	Gly	Tyr	Leu	Ser	Gln	Asp	Thr	Val	Ser	Val	Pro	Cys
145					150					155					160
Gln	Ser	Ala	Ser	Ser	Ala	Ser	Ala	Leu	Gly	Gly	Val	Lys	Val	Glu	Arg
				165					170					175	
Gln	Val	Phe	Gly	Glu	Ala	Thr	Lys	Gln	Pro	Gly	Ile	Thr	Phe	Ile	Ala
			180					185					190		
Ala	Lys	Phe	Asp	Gly	Ile	Leu	Gly	Met	Ala	Tyr	Pro	Arg	Ile	Ser	Val
		195					200					205			
Asn	Asn	Val	Leu	Pro	Val	Phe	Asp	Asn	Leu	Met	Gln	Gln	Lys	Leu	Val
	210					215					220				
Asp	Gln	Asn	Ile	Phe	Ser	Phe	Tyr	Leu	Ser	Arg	Asp	Pro	Asp	Ala	Gln

225		230		235		240
Pro Gly Gly Glu Leu Met Leu Gly Gly Thr Asp Ser Lys Tyr Tyr Lys						
	245			250		255
Gly Ser Leu Ser Tyr Leu Asn Val Thr Arg Lys Ala Tyr Trp Gln Val						
	260			265		270
His Leu Asp Gln Val Glu Val Ala Ser Gly Leu Thr Leu Cys Lys Glu						
	275			280		285
Gly Cys Glu Ala Ile Val Asp Thr Gly Thr Ser Leu Met Val Gly Pro						
	290			295		300
Val Asp Glu Val Arg Xaa Leu Gln Lys Ala Ile Gly Ala Val Pro Leu						
	305			310		315
Ile Gln Gly Glu Tyr Met Ile Pro Cys Glu Lys Val Ser Thr Leu Pro						
	325			330		335
Ala Ile Thr Leu Lys Leu Gly Gly Lys Gly Tyr Lys Leu Ser Pro Glu						
	340			345		350
Asp Tyr Thr Leu Lys Val Ser Gln Ala Gly Lys Thr Xaa Cys Leu Ser						
	355			360		365

<210> 708
 <211> 92
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (43)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (69)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (70)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 708
 Leu Val Val Leu Gly Val Cys Ala Ala Gln His Glu Leu Thr Pro Arg
 1 5 10 15
 Leu Arg Ala Gly Val Pro Val Gln Val Glu Arg Glu Asp Val Leu Leu
 20 25 30

His Gln Leu Leu Leu His Gln Val Ile Lys Xaa Gly Lys His Ile Val
 35 40 45
 Asp Arg Asp Ala Gly Val Gly His Ala Gln Asp Ala Val Glu Leu Gly
 50 55 60
 Arg Asp Glu Gly Xaa Xaa Arg Leu Leu Gly Gly Phe Pro Glu Arg Leu
 65 70 75 80
 Pro Leu His Leu Asp Ala Ser Gln Ala Arg Gln Thr
 85 90

<210> 709
 <211> 115
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (50)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (70)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (86)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (100)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 709
 Met Gln Pro Pro Ser Leu Leu Leu Leu Val Leu Gly Leu Leu Ala Ala
 1 5 10 15

Pro Ala Ala Ala Leu Val Arg Ile Pro Leu His Lys Phe Thr Ser Val
 20 25 30

Arg Arg Thr Met Ser Glu Leu Gly Gly Pro Val Glu Asp Leu Ile Ala
 35 40 45

Arg Xaa Pro Ile Ser Lys Tyr Ala Gln Gly Val Pro Ser Val Ala Gly
 50 55 60

Gly Pro Val Pro Glu Xaa Leu Lys Glu Thr Thr Trp Asn Ala Gln Ile
 65 70 75 80

Leu Arg Gly Lys Phe Xaa His Pro Gly Thr Pro Pro Arg Lys Leu Leu

	85		90		95										
Pro	Pro	Val	Xaa	Pro	Phe	Glu	Lys	Arg	Gly	Ser	Phe	Pro	Thr	Leu	Leu
			100					105						110	
Gly	Ser	Pro													
		115													
<210> 710															
<211> 410															
<212> PRT															
<213> Homo sapiens															
<400> 710															
Met	Gln	Pro	Pro	Ser	Leu	Leu	Leu	Leu	Val	Leu	Gly	Leu	Leu	Ala	Ala
1				5					10					15	
Pro	Ala	Ala	Ala	Leu	Val	Arg	Ile	Pro	Leu	His	Lys	Phe	Thr	Ser	Val
			20					25					30		
Arg	Arg	Thr	Met	Ser	Glu	Leu	Gly	Gly	Pro	Val	Glu	Asp	Leu	Ile	Ala
		35					40					45			
Arg	Gly	Pro	Ile	Ser	Lys	Tyr	Ala	Gln	Gly	Val	Pro	Ser	Val	Ala	Gly
	50					55					60				
Gly	Pro	Val	Pro	Glu	Val	Leu	Arg	Asn	Tyr	Met	Asp	Ala	Gln	Tyr	Tyr
65					70				75					80	
Gly	Glu	Ile	Gly	Ile	Gly	Thr	Pro	Pro	Gln	Cys	Phe	Thr	Val	Val	Phe
				85					90					95	
Asp	Thr	Gly	Ser	Ser	Asn	Leu	Trp	Val	Pro	Ser	Ile	His	Cys	Lys	Leu
		100						105					110		
Leu	Asp	Ile	Ala	Cys	Trp	Ile	His	His	Lys	Tyr	Asn	Ser	Gly	Lys	Ser
	115					120						125			
Ser	Thr	Tyr	Val	Lys	Asn	Gly	Thr	Ser	Phe	Asp	Ile	His	Tyr	Gly	Ser
	130					135					140				
Gly	Ser	Leu	Ser	Gly	Tyr	Leu	Ser	Gln	Asp	Thr	Val	Ser	Val	Pro	Cys
145					150				155					160	
Lys	Ser	Gly	Leu	Ser	Ser	Leu	Ala	Gly	Val	Lys	Val	Glu	Arg	Gln	Thr
			165					170						175	
Phe	Gly	Glu	Ala	Thr	Lys	Gln	Pro	Gly	Ile	Thr	Phe	Ile	Ala	Ala	Lys
		180						185					190		
Phe	Asp	Gly	Ile	Leu	Gly	Met	Ala	Tyr	Pro	Arg	Ile	Ser	Val	Asn	Asn
	195					200						205			
Val	Leu	Pro	Val	Phe	Asp	Asn	Leu	Met	Gln	Gln	Lys	Leu	Val	Glu	Lys
210						215					220				

Asn	Ile	Phe	Ser	Phe	Tyr	Leu	Asn	Arg	Asp	Pro	Gly	Ala	Gln	Pro	Gly
225					230					235					240
Gly	Glu	Leu	Met	Leu	Gly	Gly	Thr	Asp	Ser	Lys	Tyr	Tyr	Lys	Gly	Pro
				245					250					255	
Leu	Ser	Tyr	Leu	Asn	Val	Thr	Arg	Lys	Ala	Tyr	Trp	Gln	Val	His	Met
			260					265					270		
Glu	Gln	Val	Asp	Val	Gly	Ser	Ser	Leu	Thr	Leu	Cys	Lys	Gly	Gly	Cys
		275					280					285			
Glu	Ala	Ile	Val	Asp	Thr	Gly	Thr	Ser	Leu	Ile	Val	Gly	Pro	Val	Asp
	290					295					300				
Glu	Val	Arg	Glu	Leu	Gln	Lys	Ala	Ile	Gly	Ala	Val	Pro	Leu	Ile	Gln
305					310					315					320
Gly	Glu	Tyr	Met	Ile	Pro	Cys	Glu	Lys	Val	Ser	Thr	Leu	Pro	Glu	Val
				325					330					335	
Thr	Leu	Thr	Leu	Gly	Gly	Lys	Pro	Tyr	Lys	Leu	Ser	Ser	Glu	Asp	Tyr
			340					345					350		
Thr	Leu	Lys	Val	Ser	Gln	Gly	Gly	Lys	Ser	Ile	Cys	Leu	Ser	Gly	Phe
		355					360					365			
Met	Gly	Met	Asp	Ile	Pro	Pro	Pro	Gly	Gly	Pro	Leu	Trp	Ile	Leu	Gly
	370					375					380				
Asp	Val	Phe	Ile	Gly	Arg	Tyr	Tyr	Thr	Val	Phe	Asp	Arg	Asp	Gln	Asn
385					390					395					400
Arg	Val	Gly	Leu	Ala	Glu	Ala	Thr	Arg	Leu						
			405					410							

<210> 711
 <211> 96
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (25)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (77)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (79)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 711

Ala Ala Arg Glu Gly Ala Pro Pro Pro Cys Pro Thr Ser Ala Ile Gly
1 5 10 15

Arg Ala Ser Leu Ser Leu Arg Asp Xaa Gly Arg Gly Leu Arg Asp Ala
20 25 30

Arg Arg Glu Lys Arg Arg Gly Val Arg Gly Gln Asp Gly Gly Asp Tyr
35 40 45

Gly Trp Cys Gly Pro Ala Arg Gly Arg Gly Val Ala Ala Lys Gly Thr
50 55 60

Ala Glu Gly Pro Thr Gly Glu Asn Arg Ala Gln Gly Xaa Lys Xaa Gly
65 70 75 80

Val Arg Val Ala Val Glu Ala Ser Ser Val Arg Gly Pro Gly Arg Ala
85 90 95

<210> 712

<211> 453

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

 $\langle 222 \rangle \quad (432)$

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 712

Met Arg Met Ala Ser Ile Met Val Trp Val Met Ile Ile Met Val Ile
1 -5 10 15

Leu Val Leu Gly Tyr Gly Ile Phe His Cys Tyr Met Glu Tyr Ser Arg
20 25 30

Leu Arg Gly Glu Ala Gly Ser Asp Val Ser Leu Val Asp Leu Gly Phe
35 40 45

Gln Thr Asp Phe Arg Val Tyr Leu His Leu Arg Gln Thr Trp Leu Ala
50 55 60

Phe Met Ile Ile Leu Ser Ile Leu Glu Val Ile Ile Ile Leu Leu Leu
65 70 75 80

Ile Phe Leu Arg Lys Arg Ile Leu Ile Ala Ile Ala Leu Ile Lys Glu
85 90 95

Ala Ser Arg Ala Val Gly Tyr Val Met Cys Ser Leu Leu Tyr Pro Leu
100 105 110

Val	Thr	Phe	Phe	Leu	Leu	Cys	Leu	Cys	Ile	Ala	Tyr	Trp	Ala	Ser	Thr	115	120	125
Ala	Val	Phe	Leu	Ser	Thr	Ser	Asn	Glu	Ala	Val	Tyr	Lys	Ile	Phe	Asp	130	135	140
Asp	Ser	Pro	Cys	Pro	Phe	Thr	Ala	Lys	Thr	Cys	Asn	Pro	Glu	Thr	Phe	145	150	155
Pro	Ser	Ser	Asn	Glu	Ser	Arg	Gln	Cys	Pro	Asn	Ala	Arg	Cys	Gln	Phe	165	170	175
Ala	Phe	Tyr	Gly	Gly	Glu	Ser	Gly	Tyr	His	Arg	Ala	Leu	Leu	Gly	Leu	180	185	190
Gln	Ile	Phe	Asn	Ala	Phe	Met	Phe	Phe	Trp	Leu	Ala	Asn	Phe	Val	Leu	195	200	205
Ala	Leu	Gly	Gln	Val	Thr	Leu	Ala	Gly	Ala	Phe	Ala	Ser	Tyr	Tyr	Trp	210	215	220
Ala	Leu	Arg	Lys	Pro	Asp	Asp	Leu	Pro	Ala	Phe	Pro	Leu	Phe	Ser	Ala	225	230	235
Phe	Gly	Arg	Ala	Leu	Arg	Tyr	His	Thr	Gly	Ser	Leu	Ala	Phe	Gly	Ala	245	250	255
Leu	Ile	Leu	Ala	Ile	Val	Gln	Ile	Ile	Arg	Val	Ile	Leu	Glu	Tyr	Leu	260	265	270
Asp	Gln	Arg	Leu	Lys	Ala	Ala	Glu	Asn	Lys	Phe	Ala	Lys	Cys	Leu	Met	275	280	285
Thr	Cys	Leu	Lys	Cys	Cys	Phe	Trp	Cys	Leu	Glu	Lys	Phe	Ile	Lys	Phe	290	295	300
Leu	Asn	Arg	Asn	Ala	Tyr	Ile	Met	Ile	Ala	Ile	Tyr	Gly	Thr	Asn	Phe	305	310	315
Cys	Thr	Ser	Ala	Arg	Asn	Ala	Phe	Phe	Leu	Leu	Met	Arg	Asn	Ile	Ile	325	330	335
Arg	Val	Ala	Val	Leu	Asp	Lys	Val	Thr	Asp	Phe	Leu	Phe	Leu	Leu	Gly	340	345	350
Lys	Leu	Leu	Ile	Val	Gly	Ser	Val	Gly	Ile	Leu	Ala	Phe	Phe	Phe	Phe	355	360	365
Thr	His	Arg	Ile	Arg	Ile	Val	Gln	Asp	Thr	Ala	Pro	Pro	Leu	Asn	Tyr	370	375	380
Tyr	Trp	Val	Pro	Ile	Leu	Thr	Val	Ile	Val	Gly	Ser	Tyr	Leu	Ile	Ala	385	390	395
His	Gly	Phe	Phe	Ser	Val	Tyr	Gly	Met	Cys	Val	Asp	Thr	Leu	Phe	Leu	405	410	415

Cys Phe Leu Glu Asp Leu Glu Arg Asn Asp Gly Ser Ala Glu Arg Xaa
420 425 430

Tyr Phe Met Ser Ser Thr Leu Lys Lys Leu Leu Asn Lys Thr Asn Lys
435 440 445

Lys Ala Ala Glu Ser
450

<210> 713

<211> 453

<212> PRT

<213> Homo sapiens

<400> 713

Met Arg Met Ala Ser Ile Met Val Trp Val Met Ile Ile Met Val Ile
1 5 10 15

Leu Val Leu Gly Tyr Gly Ile Phe His Cys Tyr Met Glu Tyr Ser Arg
20 25 30

Leu Arg Gly Glu Ala Gly Ser Asp Val Ser Leu Val Asp Leu Gly Phe
35 40 45

Gln Thr Asp Phe Arg Val Tyr Leu His Leu Arg Gln Thr Trp Leu Ala
50 55 60

Phe Met Ile Ile Leu Ser Ile Leu Glu Val Ile Ile Ile Leu Leu Leu
65 70 75 80

Ile Phe Leu Arg Lys Arg Ile Leu Ile Ala Ile Ala Leu Ile Lys Glu
85 90 95

Ala Ser Arg Ala Val Gly Tyr Val Met Cys Ser Leu Leu Tyr Pro Leu
100 105 110

Val Thr Phe Phe Leu Leu Cys Leu Cys Ile Ala Tyr Trp Ala Ser Thr
115 120 125

Ala Val Phe Leu Ser Thr Ser Asn Glu Ala Val Tyr Lys Ile Phe Asp
130 135 140

Asp Ser Pro Cys Pro Phe Thr Ala Lys Thr Cys Asn Pro Glu Thr Phe
145 150 155 160

Pro Ser Ser Asn Glu Ser Arg Gln Cys Pro Asn Ala Arg Cys Gln Phe
165 170 175

Ala Phe Tyr Gly Gly Glu Ser Gly Tyr His Arg Ala Leu Leu Gly Leu
180 185 190

Gln Ile Phe Asn Ala Phe Met Phe Phe Trp Leu Ala Asn Phe Val Leu
195 200 205

Ala	Leu	Gly	Gln	Val	Thr	Leu	Ala	Gly	Ala	Phe	Ala	Ser	Tyr	Tyr	Trp
210						215					220				
Ala	Leu	Arg	Lys	Pro	Asp	Asp	Leu	Pro	Ala	Phe	Pro	Leu	Phe	Ser	Ala
225					230					235					240
Phe	Gly	Arg	Ala	Leu	Arg	Tyr	His	Thr	Gly	Ser	Leu	Ala	Phe	Gly	Ala
				245					250					255	
Leu	Ile	Leu	Ala	Ile	Val	Gln	Ile	Ile	Arg	Val	Ile	Leu	Glu	Tyr	Leu
			260					265					270		
Asp	Gln	Arg	Leu	Lys	Ala	Ala	Glu	Asn	Lys	Phe	Ala	Lys	Cys	Leu	Met
		275					280					285			
Thr	Cys	Leu	Lys	Cys	Cys	Phe	Trp	Cys	Leu	Glu	Lys	Phe	Ile	Lys	Phe
	290					295					300				
Leu	Asn	Arg	Asn	Ala	Tyr	Ile	Met	Ile	Ala	Ile	Tyr	Gly	Thr	Asn	Phe
305					310					315					320
Cys	Thr	Ser	Ala	Arg	Asn	Ala	Phe	Phe	Leu	Leu	Met	Arg	Asn	Ile	Ile
				325					330					335	
Arg	Val	Ala	Val	Leu	Asp	Lys	Val	Thr	Asp	Phe	Leu	Phe	Leu	Leu	Gly
			340					345					350		
Lys	Leu	Leu	Ile	Val	Gly	Ser	Val	Gly	Ile	Leu	Ala	Phe	Phe	Phe	Phe
	355						360					365			
Thr	His	Arg	Ile	Arg	Ile	Val	Gln	Asp	Thr	Ala	Pro	Pro	Leu	Asn	Tyr
	370					375					380				
Tyr	Trp	Val	Pro	Ile	Leu	Thr	Val	Ile	Val	Gly	Ser	Tyr	Leu	Ile	Ala
385					390					395					400
His	Gly	Phe	Phe	Ser	Val	Tyr	Gly	Met	Cys	Val	Asp	Thr	Leu	Phe	Leu
				405					410					415	
Cys	Phe	Leu	Glu	Asp	Leu	Glu	Arg	Asn	Asp	Gly	Ser	Ala	Glu	Arg	Pro
			420					425					430		
Tyr	Phe	Met	Ser	Ser	Thr	Leu	Lys	Lys	Leu	Leu	Asn	Lys	Thr	Asn	Lys
		435					440					445			
Lys	Ala	Ala	Glu	Ser											
			450												

<210> 714
 <211> 84
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE

<222> (56)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 714

Gly Arg Pro Thr Arg Pro Leu Ser Ala Gln Asn Ala Ser Val Asn Phe
1 5 10 15

Trp Glu Ala Ser Thr Leu Ala Ala Gln Arg Glu Leu Ala Met Gln Phe
20 25 30

Leu Cys Pro Gly Asn His Cys Phe Pro Cys His Leu Leu Cys Ala Gln
35 40 45

Lys Arg Tyr Asn Ser His Gln Xaa Thr Pro Val Val Thr Ala His Leu
50 55 60

Val Cys Cys Val Phe Gln Gln Ser Val Leu Leu Gly Val Gln Leu Asn
65 70 75 80

Arg Leu Gly Val

<210> 715

<211> 32

<212> PRT

<213> Homo sapiens

<400> 715

Met Trp Trp Ala Leu Leu Ala Cys Arg Phe Cys Cys Pro Arg Arg Cys
1 5 10 15

Ala Ser Ala Trp Gln Gly Leu Pro Arg Arg Gly Ala Leu Phe Ser Gly
20 25 30

<210> 716

<211> 53

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (26)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 716

Met Trp Trp Ala Leu Leu Ala Leu Pro Phe Leu Leu Pro Thr Ala Leu
1 5 10 15

Arg Leu Cys Leu Ala Gly Leu Pro His Xaa Phe Arg His Thr Asn Arg
20 25 30

Met Val Pro Gln Trp His Gln Ser Gly Asp Arg Pro Leu His Ser His
35 40 45

Pro His Ser Arg Phe
50

<210> 717

<211> 744

<212> PRT

<213> Homo sapiens

<400> 717

Met Trp Trp Ala Leu Leu Ala Leu Pro Phe Leu Leu Pro Thr Ala Leu
1 5 10 15

Arg Leu Cys Leu Ala Gly Pro Pro Pro Glu Arg Gly Pro Leu Phe Trp
20 25 30

Leu Thr Arg Gln Asp Ser Arg Glu Ser Gly Ala Ala Asn Ala Thr Val
35 40 45

Ser Pro Cys Glu Gly Leu Pro Ser Ala Gly Ala Ser Thr Leu Thr Leu
50 55 60

Ala Asn Arg Ser Leu Glu Arg Leu Pro Asn Cys Leu Pro Pro Ala Leu
65 70 75 80

Arg Ser Leu Asp Ala Ser His Asn Leu Leu Arg Ala Leu Ser Ala Pro
85 90 95

Glu Leu Gly Ala Leu Pro Arg Leu Gln Ala Leu Thr Leu Arg His Asn
100 105 110

Arg Ile Ala Glu Leu Arg Trp Gly Pro Gly Gly Pro Ala Ala Leu His
115 120 125

Thr Leu Asp Leu Ser Tyr Asn Gln Leu Ala Thr Leu Pro Pro Cys Ala
130 135 140

Gly Pro Ala Leu Pro Gly Leu Arg Ser Leu Ala Leu Ala Gly Asn Pro
145 150 155 160

Leu Gln Ala Leu Gln Pro Gly Ala Phe Ala Cys Leu Pro Ala Leu Arg
165 170 175

Leu Leu Asn Leu Ser Gly Thr Ala Leu Gly Arg Asp Leu Gly Ala Gly
180 185 190

Ile Ala Asp Gly Ala Phe Ala Gly Ala Gly Gly Ala Leu Glu Val Leu
195 200 205

Asp Leu Ser Gly Thr Phe Leu Glu Arg Val Arg Ser Gly Trp Ile Arg
210 215 220

Asp	Leu	Pro	Lys	Leu	Thr	Ser	Leu	His	Leu	Arg	Lys	Met	Pro	Arg	Leu	225	230	235	240
Arg	Ile	Leu	Glu	Ala	Ala	Val	Phe	Lys	Met	Thr	Pro	Asn	Leu	Gln	Gln	245	250	255	
Leu	Asp	Cys	Gln	Asp	Ser	Ser	Ala	Leu	Thr	Ser	Val	His	Thr	Gln	Leu	260	265	270	
Phe	Gln	Asp	Thr	Pro	Arg	Leu	Gln	Val	Leu	Leu	Phe	Gln	Asn	Cys	Asn	275	280	285	
Leu	Ser	Ser	Phe	Pro	Pro	Trp	Ser	Leu	His	Ser	Ser	Gln	Val	Leu	Ser	290	295	300	
Ile	Ser	Leu	Phe	Gly	Asn	Pro	Leu	Ile	Cys	Ser	Cys	Glu	Leu	Ser	Trp	305	310	315	320
Leu	Leu	Arg	Asp	Ala	Lys	Arg	Thr	Val	Leu	Ser	Arg	Ala	Ala	Asp	Thr	325	330	335	
Val	Cys	Val	Pro	Ala	Ser	Gly	Ser	Arg	Asp	Thr	Phe	Ser	Ala	Pro	Leu	340	345	350	
Ser	Leu	Ser	Gln	Leu	Pro	Thr	Val	Cys	His	Leu	Asp	Gln	Ser	Thr	Thr	355	360	365	
Leu	His	Ser	Ser	Ser	Pro	Gln	Ala	Val	Pro	Phe	Thr	His	Gln	Pro	Ser	370	375	380	
Thr	Gln	Gly	Leu	Thr	Thr	Pro	Trp	Ser	Thr	Ala	Pro	Ser	Thr	Arg	Pro	385	390	395	400
Val	Glu	Ala	Glu	Gln	Ser	Val	Thr	Lys	Pro	Leu	Ser	Phe	Pro	Thr	Asp	405	410	415	
Ser	Ala	Thr	Gln	Thr	Ala	Trp	Ser	His	Ser	Gly	Ile	Lys	Val	Gly	Thr	420	425	430	
Ala	Arg	Ser	Thr	Ala	Ile	Pro	Thr	Ala	Asp	Ser	Ser	Thr	Ser	Ser	Ala	435	440	445	
Pro	Arg	Arg	Ala	Ala	Asn	Thr	Ala	Gly	Ala	Glu	His	Gln	Glu	His	Ala	450	455	460	
Pro	Met	Leu	Val	His	Ala	Pro	His	Val	Ser	Ala	Ala	Ser	Thr	Pro	Ser	465	470	475	480
Ala	Ser	Lys	His	Pro	Gly	Leu	Phe	Pro	Thr	Pro	Trp	Ser	Gln	Val	Arg	485	490	495	
Thr	Pro	Gln	Pro	Asp	Tyr	Arg	Ala	Gln	Ala	Thr	Leu	Gln	Ala	Pro	His	500	505	510	
Pro	Ser	Pro	Ser	Glu	Gly	Ala	Ile	Pro	Val	Leu	Leu	Leu	Asp	Glu	Ser	515	520	525	

Ser Glu Glu Glu Glu Glu Gly Gln Lys Glu Glu Val Gly Ala Pro Pro
 530 535 540
 Gln Asp Val Pro Cys Asp Tyr His Pro Cys Lys His Leu Gln Thr Pro
 545 550 555 560
 Cys Ala Glu Leu Gln Arg Arg Ser Arg Cys Arg Cys Pro Gly Leu Ser
 565 570 575
 Gly Glu Asp Ser Leu Pro Asp Pro Pro Arg Leu Gln Ala Val Thr Glu
 580 585 590
 Thr Thr Asp Thr Ser Ala Leu Val Arg Trp Cys Ala Pro Asn Ser Val
 595 600 605
 Val His Gly Tyr Gln Ile His Tyr Ser Pro Glu Gly Trp Ala Glu Asn
 610 615 620
 Gln Ser Val Thr Val Val Ala Asp Ile Tyr Ala Thr Ala Arg Gln His
 625 630 635 640
 Pro Leu Tyr Gly Leu Ser Pro Gly Thr Met Tyr Arg Val Cys Val Leu
 645 650 655
 Ala Ala Asn Arg Ala Gly Leu Ser Gln Pro Val Gln Ala Ser Gly Trp
 660 665 670
 Thr Arg Ala Cys Ala Ala Phe Thr Thr Lys Pro Ser Phe Val Leu Val
 675 680 685
 Phe Ala Gly Leu Cys Ala Ala Cys Gly Leu Leu Leu Val Thr Thr Leu
 690 695 700
 Leu Leu Ala Ala Cys Leu Cys Arg Arg Ser Arg Thr Val Arg Leu Gln
 705 710 715 720
 Arg Tyr Asn Thr His Leu Val Ala Tyr Lys Asn Pro Ala Phe Asp Tyr
 725 730 735
 Pro Leu Lys Leu Gln Thr Leu Ser
 740

<210> 718
 <211> 153
 <212> PRT
 <213> Homo sapiens

<400> 718
 Ala Ile His Phe Thr Gln Gln Asp Met Pro Gln Ile Arg Arg Gln Ile
 1 5 10 15
 Tyr Lys Glu Leu Cys His Ala Asn Ser Leu Cys Glu Arg Arg Ile Pro
 20 25 30
 Gly Leu Lys Pro Met Val Lys Gly Met Gly Thr Trp Gly Thr Leu Pro

35	40	45
Ser Arg Glu Thr Pro Val	Pro Leu Leu Pro Leu	Pro Leu Pro Val Pro
50	55	60
Tyr Gly Phe Ser Tyr Leu	Asn Val Leu Ile Asp Phe Cys Ile Phe Phe	
65	70	75 80
Ser Leu Arg Glu Tyr Leu	Leu Ile Phe Asp Val Gln Gly Val Ala Met	
85	90	95
Glu Gln Pro Leu Leu Pro	Leu Leu Gly Arg Ser Leu Ala Leu Trp Pro	
100	105	110
Gly Trp Gly Gly His Pro	Pro Ser Arg Val Gln Gly Arg Gly Gln Glu	
115	120	125
His Leu Cys Trp Gly Gly	Gly Arg Ala Lys Gly Val Cys Leu Pro Asp	
130	135	140
Ile Gln Thr Leu Phe Tyr	Thr Tyr Ile	
145	150	

<210> 719
 <211> 46
 <212> PRT
 <213> Homo sapiens

<400> 719
Met Arg Met Lys Met Arg Lys Arg Lys Trp Gln Leu Gly Gly Cys Pro
1 5 10 15
Pro Asp Gly Val Ser Trp Glu Leu Pro Ser Gly Leu Val Leu Pro Ala
20 25 30
Leu Leu Ile Glu Lys Pro Ala Pro Ser Ala Ala Ala Glu Pro
35 40 45

<210> 720
 <211> 99
 <212> PRT
 <213> Homo sapiens

<400> 720
Gly Val Ser Trp Glu Gly Thr Pro Met Ser Pro Phe Pro Phe Met Gly
1 5 10 15
Leu Gly Ser Gly Val Arg Gly Ser His Ser Glu Phe Ala Val Thr Gln
20 25 30
Leu Leu Val Asp Leu Pro Thr Lys Phe Gly His Val Leu Leu Gly Glu
35 40 45

Ala Glu Trp Leu Arg Gln Gly Gln Met Leu Ala Val Leu Gln His Lys
50 55 60

Ser Thr Thr Val Thr Val Ile Ile Leu Pro Gly His Ile His Phe Glu
65 70 75 80

Val Thr Phe Pro Ala Leu Val Glu Ile Gln Ser Val Phe Leu Tyr Arg
85 90 95

Leu Cys Leu

<210> 721
<211> 90
<212> PRT
<213> Homo sapiens

<400> 721
Met Asp Tyr Gly Gly Leu Gln Ser Leu Leu Trp Thr Leu Thr Leu Ala
1 5 10 15

Ser Ser Pro Val Leu Phe Pro Met Ala Leu Gly Asp Pro Pro Gly Gln
20 25 30

Lys Gly Ser Gly Val Trp His Pro Leu Met Pro Ala Ser Ser Ser Ala
35 40 45

Met Cys Ala Ala Ser Gly Thr Met Trp Pro Arg Ser Tyr Phe Arg Ala
50 55 60

Gln Ile Trp Ala Pro Gln Lys Arg Gln Ser Gly Pro Gly Arg Lys Pro
65 70 75 80

Ala Ser Thr Ala Pro Cys Gly Arg Ser Met
85 90

<210> 722
<211> 288
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (268)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (271)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (273)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (274)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (276)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (286)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 722
 Phe Ser Ser Ser Ala Cys Pro Ser Val Xaa Ser Leu Phe Val Xaa Leu
 1 5 10 15

 Gly Lys Asn Pro His Asp Ala Gln Gly His Pro Arg Ala Ser Glu Asp
 20 25 30

 Gln Pro Ser Ser Gly Lys Pro Val Thr Ser Tyr Pro Gly Glu Cys Gly
 35 40 45

 Phe Val Phe Thr Lys Glu Ala Ser Leu Glu Ile Arg Asp Met Leu Leu
 50 55 60

 Ala Asn Lys Val Pro Ala Ala Ala Arg Ala Gly Ala Ile Ala Pro Cys
 65 70 75 80

 Glu Val Thr Val Pro Ala Gln Asn Thr Gly Leu Gly Pro Glu Lys Thr
 85 90 95

 Ser Phe Phe Gln Ala Leu Gly Ile Thr Thr Lys Ile Ser Arg Gly Thr
 100 105 110

 Ile Glu Ile Leu Ser Asp Val Gln Leu Ile Lys Thr Gly Asp Lys Val
 115 120 125

 Gly Ala Ser Glu Ala Thr Leu Leu Asn Met Leu Asn Ile Ser Pro Phe
 130 135 140

 Ser Phe Gly Leu Ile Ile Gln Gln Val Phe Asp Asn Gly Ser Ile Tyr

145		150		155		160									
Asn	Pro	Glu	Val	Leu	Asp	Ile	Thr	Glu	Glu	Thr	Leu	His	Ser	Arg	Phe
				165					170					175	
Leu	Glu	Gly	Val	Arg	Asn	Val	Ala	Ser	Val	Cys	Leu	Gln	Ile	Gly	Tyr
			180					185					190		
Pro	Thr	Val	Ala	Ser	Val	Pro	His	Ser	Ile	Ile	Asn	Gly	Tyr	Lys	Arg
		195					200					205			
Val	Leu	Ala	Leu	Ser	Val	Glu	Thr	Asp	Tyr	Thr	Phe	Pro	Leu	Ala	Glu
	210					215					220				
Lys	Val	Lys	Ala	Phe	Leu	Ala	Asp	Pro	Ser	Ala	Phe	Val	Ala	Ala	Ala
225					230					235					240
Pro	Val	Ala	Ala	Ala	Thr	Thr	Ala	Ala	Pro	Ala	Ala	Ala	Ala	Ala	Pro
			245						250					255	
Ala	Lys	Val	Glu	Ala	Lys	Glu	Glu	Ser	Glu	Glu	Xaa	Asp	Glu	Xaa	Ile
			260					265					270		
Xaa	Xaa	Ser	Xaa	Ile	Ser	Lys	Ser	Asn	Asn	Ser	Ser	Gln	Xaa	Ile	Val
		275					280					285			

<210> 723
 <211> 112
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (71)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (103)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (112)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 723
 Met Lys Thr Leu Leu Leu Leu Val Gly Leu Leu Leu Thr Trp Glu Asn
 1 5 10 15

Gly Arg Val Leu Gly Asp Gln Met Val Ser Asp Thr Glu Leu Gln Glu
 20 25 30

Met	Ser	Thr	Glu	Gly	Ser	Lys	Tyr	Ile	Asn	Arg	Glu	Ile	Lys	Asn	Ala
			35				40					45			
Leu	Lys	Gly	Val	Lys	Gln	Ile	Lys	Thr	Leu	Ile	Glu	Gln	Thr	Asn	Glu
	50				55					60					
Glu	Arg	Lys	Ser	Leu	Leu	Xaa	Asn	Leu	Glu	Glu	Ala	Lys	Lys	Lys	Lys
	65			70					75					80	
Glu	Asp	Ala	Leu	Asn	Asp	Thr	Lys	Asp	Ser	Glu	Met	Lys	Leu	Lys	Ala
			85					90					95		
Ser	Pro	Gly	Val	Phe	Asn	Xaa	Thr	Leu	Asp	Gly	Pro	Leu	Gly	Gly	Xaa
		100					105					110			

<210> 724
 <211> 14
 <212> PRT
 <213> Homo sapiens

Leu	Leu	Leu	Val	Gly	Leu	Gln	Gln	Leu	Val	Val	Gln	Ala	Trp
1				5				10					

<210> 725
 <211> 7
 <212> PRT
 <213> Homo sapiens

Leu	Leu	Val	Val	Leu	Leu	Ser
1				5		

<210> 726
 <211> 139
 <212> PRT
 <213> Homo sapiens

Met	Lys	Thr	Leu	Leu	Leu	Leu	Val	Gly	Leu	Leu	Leu	Thr	Trp	Glu	Asn
1				5				10					15		

Gly	Arg	Val	Leu	Gly	Asp	Gln	Met	Val	Ser	Asp	Thr	Glu	Leu	Gln	Glu
			20					25					30		

Met	Ser	Thr	Glu	Gly	Ser	Lys	Tyr	Ile	Asn	Arg	Glu	Ile	Lys	Asn	Ala
			35				40					45			

Leu Lys Gly Val Lys Gln Ile Lys Thr Leu Ile Glu Gln Thr Asn Glu
 50 55 60
 Glu Arg Lys Ser Leu Leu Thr Asn Leu Glu Glu Ala Lys Lys Lys Lys
 65 70 75 80
 Glu Asp Ala Leu Asn Asp Thr Lys Asp Ser Glu Met Lys Leu Lys Ala
 85 90 95
 Ser Gln Gly Val Cys Asn Asp Thr Met Met Ala Leu Trp Glu Glu Cys
 100 105 110
 Lys Pro Cys Leu Lys Gln Thr Trp Gly Lys Gly Leu Arg Pro Ser Leu
 115 120 125
 Gln Lys Gln His Arg Ala Gly Trp Pro Pro Gly
 130 135

<210> 727
 <211> 112
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (103)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (112)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 727
 Met Lys Thr Leu Leu Leu Leu Val Gly Leu Leu Leu Thr Trp Glu Asn
 1 5 10 15

Gly Arg Val Leu Gly Asp Gln Met Val Ser Asp Thr Glu Leu Gln Glu
 20 25 30

Met Ser Thr Glu Gly Ser Lys Tyr Ile Asn Arg Glu Ile Lys Asn Ala
 35 40 45

Leu Lys Gly Val Lys Gln Ile Lys Thr Leu Ile Glu Gln Thr Asn Glu
 50 55 60

Glu Arg Lys Ser Leu Leu Thr Asn Leu Glu Glu Ala Lys Lys Lys Lys
 65 70 75 80

Glu Asp Ala Leu Asn Asp Thr Lys Asp Ser Glu Met Lys Leu Lys Ala
 85 90 95

Ser Pro Gly Val Phe Asn Xaa Thr Leu Asp Gly Pro Leu Gly Gly Xaa
 100 105 110

<210> 728
<211> 6
<212> PRT
<213> Homo sapiens

<400> 728
Met Leu Leu Leu Tyr Leu
1 5

<210> 729
<211> 14
<212> PRT
<213> Homo sapiens

<400> 729
Pro Gln Gly Pro Asn Asp Val Thr Ala Lys Leu Leu Cys Pro
1 5 10

<210> 730
<211> 67
<212> PRT
<213> Homo sapiens

<400> 730
Met Ala Pro Ser Gly Pro Leu Leu Leu Val Leu Leu Val Pro Leu Ala
1 5 10 15

Ala Ala Arg Pro Gly Pro Thr Ser Val Pro Ala Gly Ala Ala Ala Cys
20 25 30

Pro Cys Gly Gly Thr Ser Cys Arg Gly Trp Gly Ala Gly Pro Thr Pro
35 40 45

Gly Arg Thr Ser Thr Cys Pro His Leu Thr Cys Pro Arg Ala Gly Thr
50 55 60

Gly Ala Thr
65

<210> 731
<211> 129
<212> PRT
<213> Homo sapiens

<400> 731

Met Ala Pro Ser Gly Pro Leu Leu Leu Val Leu Leu Val Pro Leu Ala
 1 5 10 15
 Ala Ala Arg Ala Gly Pro Tyr Phe Arg Pro Gly Arg Gly Cys Arg Leu
 20 25 30
 Pro Leu Arg Gly Asp Gln Leu Ser Gly Leu Gly Arg Arg Thr Tyr Pro
 35 40 45
 Arg Pro His Glu Tyr Leu Ser Pro Ser Asp Leu Pro Lys Ser Trp Asp
 50 55 60
 Trp Arg Asn Val Asn Gly Val Asn Tyr Ala Ser Ala Thr Arg Asn Gln
 65 70 75 80
 His Ile Pro Gln Tyr Cys Gly Ser Cys Trp Ala His Gly Ser Thr Ser
 85 90 95
 Ala Met Ala Gly Pro Asp Gln His Gln Glu Lys Gly Gly Val Ala Leu
 100 105 110
 His Pro Ala Val Arg Ala Ala Arg Pro Arg Leu Arg Gln Arg Gly Leu
 115 120 125

Leu

<210> 732
 <211> 208
 <212> PRT
 <213> Homo sapiens

<400> 732
 Met Gly Leu Gly Ala Arg Gly Ala Trp Ala Ala Leu Leu Leu Gly Thr
 1 5 10 15
 Leu Gln Val Leu Ala Leu Leu Gly Ala Ala His Glu Ser Ala Ala Met
 20 25 30
 Ala Ala Ser Ala Asn Ile Glu Asn Ser Gly Leu Pro His Asn Ser Ser
 35 40 45
 Ala Asn Ser Thr Glu Thr Leu Gln His Val Pro Ser Asp His Thr Asn
 50 55 60
 Glu Thr Ser Asn Ser Thr Val Lys Pro Pro Thr Ser Val Ala Ser Asp
 65 70 75 80
 Ser Ser Asn Thr Thr Val Thr Thr Met Lys Pro Thr Ala Ala Ser Asn
 85 90 95
 Thr Thr Thr Pro Gly Met Val Ser Thr Asn Met Thr Ser Thr Thr Leu
 100 105 110
 Lys Ser Thr Pro Lys Thr Thr Ser Val Ser Gln Asn Thr Ser Gln Ile

115		120		125
Ser Thr Ser Thr Met Thr Val Thr His Asn Ser Ser Val Thr Ser Ala				
130		135		140
Ala Ser Ser Val Thr Ile Thr Thr Thr Met His Ser Glu Ala Lys Lys				
145		150		155
Gly Ser Lys Phe Asp Thr Gly Ser Phe Val Gly Gly Ile Val Leu Thr				
	165		170	175
Leu Gly Val Leu Ser Ile Leu Tyr Ile Gly Cys Lys Met Tyr Tyr Ser				
	180		185	190
Arg Arg Gly Ile Arg Tyr Arg Thr Ile Asp Glu His Asp Ala Ile Ile				
	195		200	205

<210> 733
 <211> 208
 <212> PRT
 <213> Homo sapiens

<400> 733

Met Gly Leu Gly Ala Arg Gly Ala Trp Ala Ala Leu Leu Leu Gly Thr				
1		5		10
Leu Gln Val Leu Ala Leu Leu Gly Ala Ala His Glu Ser Ala Ala Met				
	20		25	30
Ala Ala Ser Ala Asn Ile Glu Asn Ser Gly Leu Pro His Asn Ser Ser				
	35		40	45
Ala Asn Ser Thr Glu Thr Leu Gln His Val Pro Ser Asp His Thr Asn				
	50		55	60
Glu Thr Ser Asn Ser Thr Val Lys Pro Pro Thr Ser Val Ala Ser Asp				
	65		70	75
Ser Ser Asn Thr Thr Val Thr Thr Met Lys Pro Thr Ala Ala Ser Asn				
	85		90	95
Thr Thr Thr Pro Gly Met Val Ser Thr Asn Met Thr Ser Thr Thr Leu				
	100		105	110
Lys Ser Thr Pro Lys Thr Thr Ser Val Ser Gln Asn Thr Ser Gln Ile				
	115		120	125
Ser Thr Ser Thr Met Thr Val Thr His Asn Ser Ser Val Thr Ser Ala				
	130		135	140
Ala Ser Ser Val Thr Ile Thr Thr Thr Met His Ser Glu Ala Lys Lys				
	145		150	155
				160

Gly	Ser	Lys	Phe	Asp	Thr	Gly	Ser	Phe	Val	Gly	Gly	Ile	Val	Leu	Thr
				165					170					175	
Leu	Gly	Val	Leu	Ser	Ile	Leu	Tyr	Ile	Gly	Cys	Lys	Met	Tyr	Tyr	Ser
			180					185					190		
Arg	Arg	Gly	Ile	Arg	Tyr	Arg	Thr	Ile	Asp	Glu	His	Asp	Ala	Ile	Ile
		195					200					205			

<210> 734
 <211> 208
 <212> PRT
 <213> Homo sapiens

<400> 734															
Met	Gly	Leu	Gly	Ala	Arg	Gly	Ala	Trp	Ala	Ala	Leu	Leu	Leu	Gly	Thr
1				5					10					15	
Leu	Gln	Val	Leu	Ala	Leu	Leu	Gly	Ala	Ala	His	Glu	Ser	Ala	Ala	Met
			20					25					30		
Ala	Ala	Ser	Ala	Asn	Ile	Glu	Asn	Ser	Gly	Leu	Pro	His	Asn	Ser	Ser
		35					40					45			
Ala	Asn	Ser	Thr	Glu	Thr	Leu	Gln	His	Val	Pro	Ser	Asp	His	Thr	Asn
	50					55					60				
Glu	Thr	Ser	Asn	Ser	Thr	Val	Lys	Pro	Pro	Thr	Ser	Val	Ala	Ser	Asp
65					70					75					80
Ser	Ser	Asn	Thr	Thr	Val	Thr	Thr	Met	Lys	Pro	Thr	Ala	Ala	Ser	Asn
				85					90					95	
Thr	Thr	Thr	Pro	Gly	Met	Val	Ser	Thr	Asn	Met	Thr	Ser	Thr	Thr	Leu
			100						105					110	
Lys	Ser	Thr	Pro	Lys	Thr	Thr	Ser	Val	Ser	Gln	Asn	Thr	Ser	Gln	Ile
		115						120				125			
Ser	Thr	Ser	Thr	Met	Thr	Val	Thr	His	Asn	Ser	Ser	Val	Thr	Ser	Ala
	130					135					140				
Ala	Ser	Ser	Val	Thr	Ile	Thr	Thr	Thr	Met	His	Ser	Glu	Ala	Lys	Lys
145					150					155					160
Gly	Ser	Lys	Phe	Asp	Thr	Gly	Ser	Phe	Val	Gly	Gly	Ile	Val	Leu	Thr
				165					170					175	
Leu	Gly	Val	Leu	Ser	Ile	Leu	Tyr	Ile	Gly	Cys	Lys	Met	Tyr	Tyr	Ser
			180					185					190		

Arg Arg Gly Ile Arg Tyr Arg Thr Ile Asp Glu His Asp Ala Ile Ile
 195 200 205

<210> 735

<211> 208

<212> PRT

<213> Homo sapiens

<400> 735

Met Gly Leu Gly Ala Arg Gly Ala Trp Ala Ala Leu Leu Leu Gly Thr
 1 5 10 15

Leu Gln Val Leu Ala Leu Leu Gly Ala Ala His Glu Ser Ala Ala Met
 20 25 30

Ala Ala Ser Ala Asn Ile Glu Asn Ser Gly Leu Pro His Asn Ser Ser
 35 40 45

Ala Asn Ser Thr Glu Thr Leu Gln His Val Pro Ser Asp His Thr Asn
 50 55 60

Glu Thr Ser Asn Ser Thr Val Lys Pro Pro Thr Ser Val Ala Ser Asp
 65 70 75 80

Ser Ser Asn Thr Thr Val Thr Thr Met Lys Pro Thr Ala Ala Ser Asn
 85 90 95

Thr Thr Thr Pro Gly Met Val Ser Thr Asn Met Thr Ser Thr Thr Leu
 100 105 110

Lys Ser Thr Pro Lys Thr Thr Ser Val Ser Gln Asn Thr Ser Gln Ile
 115 120 125

Ser Thr Ser Thr Met Thr Val Thr His Asn Ser Ser Val Thr Ser Ala
 130 135 140

Ala Ser Ser Val Thr Ile Thr Thr Thr Met His Ser Glu Ala Lys Lys
 145 150 155 160

Gly Ser Lys Phe Asp Thr Gly Ser Phe Val Gly Gly Ile Val Leu Thr
 165 170 175

Leu Gly Val Leu Ser Ile Leu Tyr Ile Gly Cys Lys Met Tyr Tyr Ser
 180 185 190

Arg Arg Gly Ile Arg Tyr Arg Thr Ile Asp Glu His Asp Ala Ile Ile
 195 200 205

<210> 736
<211> 365
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (144)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (201)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 736

Met	Phe	Val	Gly	Leu	Met	Ala	Phe	Leu	Leu	Ser	Phe	Tyr	Leu	Ile	Phe
1				5				10						15	
Thr	Asn	Glu	Gly	Arg	Ala	Leu	Lys	Thr	Ala	Thr	Ser	Leu	Ala	Glu	Gly
			20				25					30			
Leu	Ser	Leu	Val	Val	Ser	Pro	Asp	Ser	Ile	His	Ser	Val	Ala	Pro	Glu
	35						40					45			
Asn	Glu	Gly	Arg	Leu	Val	His	Ile	Ile	Gly	Ala	Leu	Arg	Thr	Ser	Lys
	50					55					60				
Leu	Leu	Ser	Asp	Pro	Asn	Tyr	Gly	Val	His	Leu	Pro	Ala	Val	Lys	Leu
65					70				75						80
Arg	Arg	His	Val	Glu	Met	Tyr	Gln	Trp	Val	Glu	Thr	Glu	Glu	Ser	Arg
			85					90						95	
Glu	Tyr	Thr	Glu	Asp	Gly	Gln	Val	Lys	Lys	Glu	Thr	Arg	Tyr	Ser	Tyr
	100						105					110			
Asn	Thr	Glu	Trp	Arg	Ser	Glu	Ile	Ile	Asn	Ser	Lys	Asn	Phe	Asp	Arg
	115						120					125			
Glu	Ile	Gly	His	Lys	Asn	Pro	Ser	Ala	Met	Ala	Val	Glu	Ser	Phe	Xaa
	130				135						140				
Ala	Thr	Ala	Pro	Phe	Val	Gln	Ile	Gly	Arg	Phe	Phe	Leu	Ser	Ser	Gly
145					150				155						160
Leu	Ile	Asp	Lys	Val	Asp	Asn	Phe	Lys	Ser	Leu	Ser	Leu	Ser	Lys	Leu
			165					170						175	
Glu	Asp	Pro	His	Val	Asp	Ile	Ile	Arg	Arg	Gly	Asp	Phe	Phe	Tyr	His
	180						185					190			
Ser	Glu	Asn	Pro	Lys	Tyr	Pro	Glu	Xaa	Gly	Asp	Leu	Arg	Val	Ser	Phe
	195						200					205			
Ser	Tyr	Ala	Gly	Leu	Ser	Gly	Asp	Asp	Pro	Asp	Leu	Gly	Pro	Ala	His

210	215	220
Val Val Thr Val Ile Ala Arg Gln Arg Gly Asp Gln Leu Val Pro Phe 225 230 235 240		
Ser Thr Lys Ser Gly Asp Thr Leu Leu Leu Leu His His Gly Asp Phe 245 250 255		
Ser Ala Glu Glu Val Phe His Arg Glu Leu Arg Ser Asn Ser Met Lys 260 265 270		
Thr Trp Gly Leu Arg Ala Ala Gly Trp Met Ala Met Phe Met Gly Leu 275 280 285		
Asn Leu Met Thr Arg Ile Leu Tyr Thr Leu Val Asp Trp Phe Pro Val 290 295 300		
Phe Arg Asp Leu Val Asn Ile Gly Leu Lys Ala Phe Ala Phe Cys Val 305 310 315 320		
Ala Thr Ser Leu Thr Leu Leu Thr Val Ala Ala Gly Trp Leu Phe Tyr 325 330 335		
Arg Pro Leu Trp Ala Leu Leu Ile Ala Gly Leu Ala Leu Val Pro Ile 340 345 350		
Leu Val Ala Arg Thr Arg Val Pro Ala Lys Lys Leu Glu 355 360 365		

<210> 737
 <211> 365
 <212> PRT
 <213> Homo sapiens

<400> 737

Met Phe Val Gly Leu Met Ala Phe Leu Leu Ser Phe Tyr Leu Ile Phe 1 5 10 15
Thr Asn Glu Gly Arg Ala Leu Lys Thr Ala Thr Ser Leu Ala Glu Gly 20 25 30
Leu Ser Leu Val Val Ser Pro Asp Ser Ile His Ser Val Ala Pro Glu 35 40 45
Asn Glu Gly Arg Leu Val His Ile Ile Gly Ala Leu Arg Thr Ser Lys 50 55 60
Leu Leu Ser Asp Pro Asn Tyr Gly Val His Leu Pro Ala Val Lys Leu 65 70 75 80
Arg Arg His Val Glu Met Tyr Gln Trp Val Glu Thr Glu Glu Ser Arg 85 90 95
Glu Tyr Thr Glu Asp Gly Gln Val Lys Lys Glu Thr Arg Tyr Ser Tyr 100 105 110

Asn	Thr	Glu	Trp	Arg	Ser	Glu	Ile	Ile	Asn	Ser	Lys	Asn	Phe	Asp	Arg	115	120	125	
Glu	Ile	Gly	His	Lys	Asn	Pro	Ser	Ala	Met	Ala	Val	Glu	Ser	Phe	Met	130	135	140	
Ala	Thr	Ala	Pro	Phe	Val	Gln	Ile	Gly	Arg	Phe	Phe	Leu	Ser	Ser	Gly	145	150	155	160
Leu	Ile	Asp	Lys	Val	Asp	Asn	Phe	Lys	Ser	Leu	Ser	Leu	Ser	Lys	Leu	165	170	175	
Glu	Asp	Pro	His	Val	Asp	Ile	Ile	Arg	Arg	Gly	Asp	Phe	Phe	Tyr	His	180	185	190	
Ser	Glu	Asn	Pro	Lys	Tyr	Pro	Glu	Val	Gly	Asp	Leu	Arg	Val	Ser	Phe	195	200	205	
Ser	Tyr	Ala	Gly	Leu	Ser	Gly	Asp	Asp	Pro	Asp	Leu	Gly	Pro	Ala	His	210	215	220	
Val	Val	Thr	Val	Ile	Ala	Arg	Gln	Arg	Gly	Asp	Gln	Leu	Val	Pro	Phe	225	230	235	240
Ser	Thr	Lys	Ser	Gly	Asp	Thr	Leu	Leu	Leu	Leu	His	His	Gly	Asp	Phe	245	250	255	
Ser	Ala	Glu	Glu	Val	Phe	His	Arg	Glu	Leu	Arg	Ser	Asn	Ser	Met	Lys	260	265	270	
Thr	Trp	Gly	Leu	Arg	Ala	Ala	Gly	Trp	Met	Ala	Met	Phe	Met	Gly	Leu	275	280	285	
Asn	Leu	Met	Thr	Arg	Ile	Leu	Tyr	Thr	Leu	Val	Asp	Trp	Phe	Pro	Val	290	295	300	
Phe	Arg	Asp	Leu	Val	Asn	Ile	Gly	Leu	Lys	Ala	Phe	Ala	Phe	Cys	Val	305	310	315	320
Ala	Thr	Ser	Leu	Thr	Leu	Leu	Thr	Val	Ala	Ala	Gly	Trp	Leu	Phe	Tyr	325	330	335	
Arg	Pro	Leu	Trp	Ala	Leu	Leu	Ile	Ala	Gly	Leu	Ala	Leu	Val	Pro	Ile	340	345	350	
Leu	Val	Ala	Arg	Thr	Arg	Val	Pro	Ala	Lys	Lys	Leu	Glu				355	360	365	

<210> 738

<211> 34

<212> PRT

<213> Homo sapiens

<400> 738

Met Leu Trp Pro Cys Cys Pro Ser Pro Leu Pro Ile Trp Ala Ser Pro
1 5 10 15

Ser Pro Arg Leu Thr Trp Trp Cys Leu Leu Ser Cys Phe Gly Thr Gln
20 25 30

Gly Cys

<210> 739

<211> 34

<212> PRT

<213> Homo sapiens

<400> 739

Met Leu Trp Pro Cys Cys Pro Ser Pro Leu Pro Ile Trp Ala Ser Pro
1 5 10 15

Ser Pro Arg Leu Thr Trp Trp Cys Leu Leu Ser Cys Phe Gly Thr Gln
20 25 30

Gly Cys

<210> 740

<211> 41

<212> PRT

<213> Homo sapiens

<400> 740

Met Arg His Cys Cys Trp Leu Trp Ser Ser Cys Met Leu Trp Glu Pro
1 5 10 15

Ser Thr Thr Leu Gly Ser Ser Pro Arg Leu Val Glu Arg Trp Gln Ser
20 25 30

Cys Arg Trp Thr Pro Cys Cys Pro Lys
35 40

<210> 741

<211> 41

<212> PRT

<213> Homo sapiens

<400> 741

Met Arg His Cys Cys Trp Leu Trp Ser Ser Cys Met Leu Trp Glu Pro
1 5 10 15

Ser Thr Thr Leu Gly Ser Ser Pro Arg Leu Val Glu Arg Trp Gln Ser
20 25 30

Cys Arg Trp Thr Pro Cys Cys Pro Lys
35 40

<210> 742
<211> 18
<212> PRT
<213> Homo sapiens

<400> 742
Val His Lys Ser Ala Gly Leu Leu Trp Glu Ala Thr Gly Glu Gly Pro
1 5 10 15

Gly Ser

<210> 743
<211> 197
<212> PRT
<213> Homo sapiens

<400> 743
Val Glu Ile Val His Glu Leu Lys Gly Glu Gly Lys Ala Gln Arg Lys
1 5 10 15

Ile Ser Ala Ile His Ile Leu Asp Val Leu Val Leu Asn Gly Thr Asp
20 25 30

Val Arg Glu Gln His Phe Asn Gln Arg Ile Gln Leu Ala Glu Lys Phe
35 40 45

Val Lys Ala Val Ser Lys Pro Ser Arg Pro Asp Met Asn Pro Ile Arg
50 55 60

Val Lys Glu Val Tyr Arg Leu Glu Glu Met Glu Lys Ile Phe Val Arg
65 70 75 80

Leu Glu Met Lys Ile Ile Lys Gly Ser Ser Gly Thr Pro Lys Leu Ser
85 90 95

Tyr Thr Gly Arg Asp Asp Arg His Phe Val Pro Met Gly Leu Tyr Ile
100 105 110

Val Arg Thr Val Asn Glu Pro Trp Thr Met Gly Phe Ser Lys Ser Phe
115 120 125

Lys Lys Lys Phe Phe Tyr Asn Lys Lys Thr Lys Asp Ser Thr Phe Asp
130 135 140

Leu Pro Ala Asp Ser Ile Ala Pro Phe His Ile Cys Tyr Tyr Gly Arg
145 150 155 160

Leu Phe Trp Glu Trp Gly Asp Gly Ile Arg Val His Asp Ser Gln Lys
165 170 175

Pro Gln Asp Gln Asp Lys Leu Ser Lys Glu Asp Val Leu Ser Phe Ile
180 185 190

Gln Met His Arg Ala
195

<210> 744
<211> 1
<212> PRT
<213> Homo sapiens

<400> 744
Asn
1

<210> 745
<211> 61
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (58)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 745
Met His Ser Lys Gln Thr Leu Leu Trp Lys Glu Leu Leu Leu Ala Ile
1 5 10 15

Pro Cys Ile Ile Ala Ser Pro Arg Ser Leu Trp Pro Arg Trp Ala Ser
20 25 30

Gly Lys Val Lys Asp Trp Val Asn Thr Ala Arg Val Gly Arg Thr Ser
35 40 45

Leu Arg Leu Pro Val Arg Lys Val Glu Xaa Ala Trp Val
50 55 60

<210> 746
<211> 61
<212> PRT
<213> Homo sapiens

<400> 746
Met His Ser Lys Gln Thr Leu Leu Trp Lys Glu Leu Leu Leu Ala Ile
1 5 10 15

Pro Cys Ile Ile Ala Ser Pro Arg Ser Leu Trp Pro Arg Trp Ala Ser
20 25 30

Gly Lys Val Lys Asp Trp Val Asn Thr Ala Arg Val Gly Arg Thr Ser
35 40 45

Leu Arg Leu Pro Val Arg Lys Val Glu Glu Ala Trp Val
50 55 60

<210> 747
<211> 53
<212> PRT
<213> Homo sapiens

<400> 747
Asn Tyr Asn Arg Gly Gly Thr Phe Leu Tyr Gln Lys Ala Lys Ile Lys
1 5 10 15

His His Val Leu Met Val Phe Tyr Lys Ser Thr Ser Asn Ser Thr Glu
20 25 30

Ser Leu Ile Trp Ser Leu Leu Asn Ser Trp Ser Asp Lys Val Thr Phe
35 40 45

Pro Lys Arg Val Arg
50

<210> 748
<211> 56
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 748
Lys Ser Gln Met Gln Ser Phe Thr Ile Val Thr Ala Tyr Gly Arg Cys
1 5 10 15

Leu Ser Leu Thr Cys Leu Pro Thr Leu Asn Gln Met Leu Val Phe Lys
20 25 30

Ser Asn Xaa Ser Leu Val Ser Pro His Xaa Leu Thr Phe Xaa Asn Ile
35 40 45

Phe Ala Arg Phe Glu Asn Phe Gln
50 55

<210> 749
<211> 11
<212> PRT
<213> Homo sapiens

<400> 749
Phe Leu Val Cys Leu Leu Leu Gly Pro Arg Ser
1 5 10

<210> 750
<211> 6
<212> PRT
<213> Homo sapiens

<400> 750
Thr Val Ala Ile Tyr Asp
1 5

<210> 751
<211> 46
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 751
Ile Asn His Val Phe Ile Trp Gly Ser Ile Ala Ile Tyr Phe Ser Ile
1 5 10 15

Leu Phe Thr Met His Ser Asn Gly Ile Phe Gly Ile Phe Pro Asn Gln
20 25 30

Phe Pro Phe Val Gly Asn Ala Arg His Ser Leu Thr Xaa Lys
35 40 45

<210> 752
<211> 109
<212> PRT
<213> Homo sapiens

<220>
<221> SITE

<222> (94)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 752

Met	Asn	Thr	Leu	Val	Leu	Trp	Ile	Phe	Gly	Phe	Leu	Ile	Cys	Leu	Gly
1				5					10					15	
Ile	Ile	Leu	Ala	Ile	Gly	Asn	Ser	Ile	Trp	Glu	Ser	Gln	Thr	Gly	Asp
			20					25					30		
Gln	Phe	Arg	Thr	Phe	Leu	Phe	Trp	Asn	Glu	Gly	Glu	Lys	Ser	Ser	Val
		35					40					45			
Phe	Ser	Gly	Phe	Leu	Thr	Phe	Trp	Ser	Tyr	Ile	Ile	Ile	Leu	Asn	Thr
	50					55					60				
Val	Val	Pro	Ile	Ser	Leu	Tyr	Val	Ser	Val	Glu	Val	Ile	Arg	Leu	Gly
65					70					75				80	
His	Ser	Tyr	Phe	Ile	Asn	Trp	Asp	Arg	Lys	Met	Tyr	Tyr	Xaa	Arg	Lys
				85					90					95	
Ala	Ile	Pro	Ala	Val	Ala	Arg	Thr	Thr	Thr	Leu	Asn	Glu			
			100					105							

<210> 753

<211> 937

<212> PRT

<213> Homo sapiens

<400> 753

Met	Gln	Asn	Ser	Gly	Lys	Thr	Lys	Phe	Lys	Arg	Thr	Ser	Ile	Asp	Arg
1				5					10					15	
Leu	Met	Asn	Thr	Leu	Val	Leu	Trp	Ile	Phe	Gly	Phe	Leu	Ile	Cys	Leu
			20					25					30		
Gly	Ile	Ile	Leu	Ala	Ile	Gly	Asn	Ser	Ile	Trp	Glu	Ser	Gln	Thr	Gly
		35					40					45			
Asp	Gln	Phe	Arg	Thr	Phe	Leu	Phe	Trp	Asn	Glu	Gly	Glu	Lys	Ser	Ser
	50					55					60				
Val	Phe	Ser	Gly	Phe	Leu	Thr	Phe	Trp	Ser	Tyr	Ile	Ile	Ile	Leu	Asn
65					70					75				80	
Thr	Val	Val	Pro	Ile	Ser	Leu	Tyr	Val	Ser	Val	Glu	Val	Ile	Arg	Leu
				85					90					95	
Gly	His	Ser	Tyr	Phe	Ile	Asn	Trp	Asp	Arg	Lys	Met	Tyr	Tyr	Ser	Arg
			100					105					110		
Lys	Ala	Ile	Pro	Ala	Val	Ala	Arg	Thr	Thr	Thr	Leu	Asn	Glu	Glu	Leu
		115					120					125			

Gly	Gln	Ile	Glu	Tyr	Ile	Phe	Ser	Asp	Lys	Thr	Gly	Thr	Leu	Thr	Gln	130	135	140	
Asn	Ile	Met	Thr	Phe	Lys	Arg	Cys	Ser	Ile	Asn	Gly	Arg	Ile	Tyr	Gly	145	150	155	160
Glu	Val	His	Asp	Asp	Leu	Asp	Gln	Lys	Thr	Glu	Ile	Thr	Gln	Glu	Lys	165	170	175	
Glu	Pro	Val	Asp	Phe	Ser	Val	Lys	Ser	Gln	Ala	Asp	Arg	Glu	Phe	Gln	180	185	190	
Phe	Phe	Asp	His	Asn	Leu	Met	Glu	Ser	Ile	Lys	Met	Gly	Asp	Pro	Lys	195	200	205	
Val	His	Glu	Phe	Leu	Arg	Leu	Leu	Ala	Leu	Cys	His	Thr	Val	Met	Ser	210	215	220	
Glu	Glu	Asn	Ser	Ala	Gly	Glu	Leu	Ile	Tyr	Gln	Val	Gln	Ser	Pro	Asp	225	230	235	240
Glu	Gly	Ala	Leu	Val	Thr	Ala	Ala	Arg	Asn	Phe	Gly	Phe	Ile	Phe	Lys	245	250	255	
Ser	Arg	Thr	Pro	Glu	Thr	Ile	Thr	Ile	Glu	Glu	Leu	Gly	Thr	Leu	Val	260	265	270	
Thr	Tyr	Gln	Leu	Leu	Ala	Phe	Leu	Asp	Phe	Asn	Asn	Thr	Arg	Lys	Arg	275	280	285	
Met	Ser	Val	Ile	Val	Arg	Asn	Pro	Glu	Gly	Gln	Ile	Lys	Leu	Tyr	Ser	290	295	300	
Lys	Gly	Ala	Asp	Thr	Ile	Leu	Phe	Glu	Lys	Leu	His	Pro	Ser	Asn	Glu	305	310	315	320
Val	Leu	Leu	Ser	Leu	Thr	Ser	Asp	His	Leu	Ser	Glu	Phe	Ala	Gly	Glu	325	330	335	
Gly	Leu	Arg	Thr	Leu	Ala	Ile	Ala	Tyr	Arg	Asp	Leu	Asp	Asp	Lys	Tyr	340	345	350	
Phe	Lys	Glu	Trp	His	Lys	Met	Leu	Glu	Asp	Ala	Asn	Val	Ala	Thr	Glu	355	360	365	
Glu	Arg	Asp	Glu	Arg	Ile	Ala	Gly	Leu	Tyr	Glu	Glu	Ile	Glu	Arg	Asp	370	375	380	
Leu	Met	Leu	Leu	Gly	Ala	Thr	Ala	Val	Glu	Asp	Lys	Leu	Gln	Glu	Gly	385	390	395	400
Val	Ile	Glu	Thr	Val	Thr	Ser	Leu	Ser	Leu	Ala	Asn	Ile	Lys	Ile	Trp	405	410	415	
Val	Leu	Thr	Gly	Asp	Lys	Gln	Glu	Thr	Ala	Ile	Asn	Ile	Gly	Tyr	Ala	420	425	430	

Cys	Asn	Met	Leu	Thr	Asp	Asp	Met	Asn	Asp	Val	Phe	Val	Ile	Ala	Gly	435	440	445
Asn	Asn	Ala	Val	Glu	Val	Arg	Glu	Glu	Leu	Arg	Lys	Ala	Lys	Gln	Asn	450	455	460
Leu	Phe	Gly	Gln	Asn	Arg	Asn	Phe	Ser	Asn	Gly	His	Val	Val	Cys	Glu	465	470	475
Lys	Lys	Gln	Gln	Leu	Glu	Leu	Asp	Ser	Ile	Val	Glu	Glu	Thr	Ile	Thr	485	490	495
Gly	Asp	Tyr	Ala	Leu	Ile	Ile	Asn	Gly	His	Ser	Leu	Ala	His	Ala	Leu	500	505	510
Glu	Ser	Asp	Val	Lys	Asn	Asp	Leu	Leu	Glu	Leu	Ala	Cys	Met	Cys	Lys	515	520	525
Thr	Val	Ile	Cys	Cys	Arg	Val	Thr	Pro	Leu	Gln	Lys	Ala	Gln	Val	Val	530	535	540
Glu	Leu	Val	Lys	Lys	Tyr	Arg	Asn	Ala	Val	Thr	Leu	Ala	Ile	Gly	Asp	545	550	555
Gly	Ala	Asn	Asp	Val	Ser	Met	Ile	Lys	Ser	Ala	His	Ile	Gly	Val	Gly	565	570	575
Ile	Ser	Gly	Gln	Glu	Gly	Leu	Gln	Ala	Val	Leu	Ala	Ser	Asp	Tyr	Ser	580	585	590
Phe	Ala	Gln	Phe	Arg	Tyr	Leu	Gln	Arg	Leu	Leu	Leu	Val	His	Gly	Arg	595	600	605
Trp	Ser	Tyr	Phe	Arg	Met	Cys	Lys	Phe	Leu	Cys	Tyr	Phe	Phe	Tyr	Lys	610	615	620
Asn	Phe	Ala	Phe	Thr	Leu	Val	His	Phe	Trp	Phe	Gly	Phe	Phe	Cys	Gly	625	630	635
Phe	Ser	Ala	Gln	Thr	Val	Tyr	Asp	Gln	Trp	Phe	Ile	Thr	Leu	Phe	Asn	645	650	655
Ile	Val	Tyr	Thr	Ser	Leu	Pro	Val	Leu	Ala	Met	Gly	Ile	Phe	Asp	Gln	660	665	670
Asp	Val	Ser	Asp	Gln	Asn	Ser	Val	Asp	Cys	Pro	Gln	Leu	Tyr	Lys	Pro	675	680	685
Gly	Gln	Leu	Asn	Leu	Leu	Phe	Asn	Lys	Arg	Lys	Phe	Phe	Ile	Cys	Val	690	695	700
Met	His	Gly	Ile	Tyr	Thr	Ser	Leu	Val	Leu	Phe	Phe	Ile	Pro	Tyr	Gly	705	710	715
Ala	Phe	Tyr	Asn	Val	Ala	Gly	Glu	Asp	Gly	Gln	His	Ile	Ala	Asp	Tyr	725	730	735

Gln Ser Phe Ala Val Thr Met Ala Thr Ser Leu Val Ile Val Val Ser
 740 745 750
 Val Gln Ile Ala Leu Asp Thr Ser Tyr Trp Thr Phe Ile Asn His Val
 755 760 765
 Phe Ile Trp Gly Ser Ile Ala Ile Tyr Phe Ser Ile Leu Phe Thr Met
 770 775 780
 His Ser Asn Gly Ile Phe Gly Ile Phe Pro Asn Gln Phe Pro Phe Val
 785 790 795 800
 Gly Asn Ala Arg His Ser Leu Thr Gln Lys Cys Ile Trp Leu Val Ile
 805 810 815
 Leu Leu Thr Thr Val Ala Ser Val Met Pro Val Val Ala Phe Arg Phe
 820 825 830
 Leu Lys Val Asp Leu Tyr Pro Thr Leu Ser Asp Gln Ile Arg Arg Trp
 835 840 845
 Gln Lys Ala Gln Lys Lys Ala Arg Pro Pro Ser Ser Arg Arg Pro Arg
 850 855 860
 Thr Arg Arg Ser Ser Ser Arg Arg Ser Gly Tyr Ala Phe Ala His Gln
 865 870 875 880
 Glu Gly Tyr Gly Glu Leu Ile Thr Ser Gly Lys Asn Met Arg Ala Lys
 885 890 895
 Asn Pro Pro Pro Thr Ser Gly Leu Glu Lys Thr His Tyr Asn Ser Thr
 900 905 910
 Ser Trp Ile Glu Asn Leu Cys Lys Lys Thr Thr Asp Thr Val Ser Ser
 915 920 925
 Phe Ser Gln Asp Lys Thr Val Lys Leu
 930 935

<210> 754
 <211> 45
 <212> PRT
 <213> Homo sapiens

<400> 754
 Ile Asn Ser Cys Asn Ile Lys Gly Leu Lys Cys Phe Tyr Ile Val Phe
 1 5 10 15
 Gly Cys Leu Leu Leu Val Pro Ile Ser Asp Lys Leu Tyr Gly Leu Leu
 20 25 30
 His Leu Ile Pro Phe Ile Trp Arg Val Leu Leu Pro Cys
 35 40 45

<210> 755
<211> 137
<212> PRT
<213> Homo sapiens

<400> 755
Met Lys Leu Leu Val Ile Leu Leu Phe Ser Gly Leu Ile Thr Gly Phe
1 5 10 15
Arg Ser Asp Ser Ser Ser Ser Leu Pro Pro Lys Leu Leu Leu Val Ser
20 25 30
Phe Asp Gly Phe Arg Ala Asp Tyr Leu Lys Asn Tyr Glu Phe Pro His
35 40 45
Leu Gln Asn Phe Ile Lys Glu Gly Val Leu Val Glu His Val Lys Asn
50 55 60
Val Phe Ile Thr Lys Thr Phe Pro Asn His Tyr Ser Ile Val Thr Gly
65 70 75 80
Leu Tyr Glu Glu Ser His Gly Ile Val Ala Asn Ser Met Tyr Asp Ala
85 90 95
Val Thr Lys Lys His Phe Ser Asp Ser Asn Asp Lys Asp Pro Phe Trp
100 105 110
Trp Asn Glu Ala Val Pro Ile Trp Val Thr Asn Gln Leu Gln Glu Thr
115 120 125
Asp Gln Val Ala Ala Ala Met Trp Ala
130 135

<210> 756
<211> 6
<212> PRT
<213> Homo sapiens

<400> 756
Lys Met Met Met Ile Leu
1 5

<210> 757
<211> 101
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (97)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 757

Ser Phe Ser Phe Lys Val Val Asp Val Phe Glu Val Ser Lys Ile Val
1 5 10 15

Ala Glu Tyr Phe Ile Leu Gly Pro Cys Asn Gly Val Ser Phe Asn Asp
20 25 30

Cys Ile Ile Val Ile Gly Gly Tyr Glu Phe Gln Lys Ser Ile Leu Gly
35 40 45

Ile Gln Leu Met Ser Gly Phe Tyr Ile Gly Trp Asn Arg Lys Val Cys
50 55 60

Pro Val Ser Ile Leu Thr Leu Ser Thr Arg His Leu Pro Ile Cys Leu
65 70 75 80

Ser Leu Arg Ser Gln Asn Ile Asn Ser Asn Cys Lys Leu Ser Lys Asn
85 90 95

Xaa Lys Ser Ile Cys
100

<210> 758

<211> 12

<212> PRT

<213> Homo sapiens

<400> 758

Leu Leu Thr Ile Leu Leu Trp Ser Ala Leu Ser Tyr
1 5 10

<210> 759

<211> 453

<212> PRT

<213> Homo sapiens

<400> 759

Met Lys Leu Leu Val Ile Leu Leu Phe Ser Gly Leu Ile Thr Gly Phe
1 5 10 15

Arg Ser Asp Ser Ser Ser Ser Leu Pro Pro Lys Leu Leu Leu Val Ser
20 25 30

Phe Asp Gly Phe Arg Ala Asp Tyr Leu Lys Asn Tyr Glu Phe Pro His
35 40 45

Leu Gln Asn Phe Ile Lys Glu Gly Val Leu Val Glu His Val Lys Asn
50 55 60

Val Phe Ile Thr Lys Thr Phe Pro Asn His Tyr Ser Ile Val Thr Gly
65 70 75 80

Leu Tyr Glu Glu Ser His Gly Ile Val Ala Asn Ser Met Tyr Asp Ala

85							90							95						
Val	Thr	Lys	Lys	His	Phe	Ser	Asp	Ser	Asn	Asp	Lys	Asp	Pro	Phe	Trp					
			100				105						110							
Trp	Asn	Glu	Ala	Val	Pro	Ile	Trp	Val	Thr	Asn	Gln	Leu	Gln	Glu	Asn					
			115				120						125							
Arg	Ser	Ser	Ala	Ala	Ala	Met	Trp	Pro	Gly	Thr	Asp	Val	Pro	Ile	His					
			130				135						140							
Asp	Thr	Ile	Ser	Ser	Tyr	Phe	Met	Asn	Tyr	Asn	Ser	Ser	Val	Ser	Phe					
			145				150						155	160						
Glu	Glu	Arg	Leu	Asn	Asn	Ile	Thr	Met	Trp	Leu	Asn	Asn	Ser	Asn	Pro					
			165				170						175							
Pro	Val	Thr	Phe	Ala	Thr	Leu	Tyr	Trp	Glu	Glu	Pro	Asp	Ala	Ser	Gly					
			180				185						190							
His	Lys	Tyr	Gly	Pro	Glu	Asp	Lys	Glu	Asn	Met	Ser	Arg	Val	Leu	Lys					
			195				200						205							
Lys	Ile	Asp	Asp	Leu	Ile	Gly	Asp	Leu	Val	Gln	Arg	Leu	Lys	Met	Leu					
			210				215						220							
Gly	Leu	Trp	Glu	Asn	Leu	Asn	Val	Ile	Ile	Thr	Ser	Asp	His	Gly	Met					
			225				230						235	240						
Thr	Gln	Cys	Ser	Gln	Asp	Arg	Leu	Ile	Asn	Leu	Asp	Ser	Cys	Ile	Asp					
			245				250						255							
His	Ser	Tyr	Tyr	Thr	Leu	Ile	Asp	Leu	Ser	Pro	Val	Ala	Ala	Ile	Leu					
			260				265						270							
Pro	Lys	Ile	Asn	Arg	Thr	Glu	Val	Tyr	Asn	Lys	Leu	Lys	Asn	Cys	Ser					
			275				280						285							
Pro	His	Met	Asn	Val	Tyr	Leu	Lys	Glu	Asp	Ile	Pro	Asn	Arg	Phe	Tyr					
			290				295						300							
Tyr	Gln	His	Asn	Asp	Arg	Ile	Gln	Pro	Ile	Ile	Leu	Val	Ala	Asp	Glu					
			305				310						315	320						
Gly	Trp	Thr	Ile	Val	Leu	Asn	Glu	Ser	Ser	Gln	Lys	Leu	Gly	Asp	His					
			325				330						335							
Gly	Tyr	Asp	Asn	Ser	Leu	Pro	Ser	Met	His	Pro	Phe	Leu	Ala	Ala	His					
			340				345						350							
Gly	Pro	Ala	Phe	His	Lys	Gly	Tyr	Lys	His	Ser	Thr	Ile	Asn	Ile	Val					
			355				360						365							
Asp	Ile	Tyr	Pro	Met	Met	Cys	His	Ile	Leu	Gly	Leu	Lys	Pro	His	Pro					
			370				375						380							
Asn	Asn	Gly	Thr	Phe	Gly	His	Thr	Lys	Cys	Leu	Leu	Val	Asp	Gln	Trp					

385 390 395 400
 Cys Ile Asn Leu Pro Glu Ala Ile Ala Ile Val Ile Gly Ser Leu Leu
 405 410 415
 Val Leu Thr Met Leu Thr Cys Leu Ile Ile Ile Met Gln Asn Arg Leu
 420 425 430
 Ser Val Pro Arg Pro Phe Ser Arg Leu Gln Leu Gln Glu Asp Asp Asp
 435 440 445
 Asp Pro Leu Ile Gly
 450

<210> 760
 <211> 11
 <212> PRT
 <213> Homo sapiens

<400> 760
 Trp His Ile Leu Gln Met Lys Gly Leu Thr Trp
 1 5 10

<210> 761
 <211> 31
 <212> PRT
 <213> Homo sapiens

<400> 761
 Phe Ala Ile Phe Ile Tyr Phe Ser Val Ser Tyr Ile Ala Asp Gly Asn
 1 5 10 15

Glu Phe Glu Val Pro Arg Ala Glu Asp Pro Cys Leu Leu Cys Phe
 20 25 30

<210> 762
 <211> 245
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (110)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 762
 Met Arg Ile Phe Ala Val Phe Ile Phe Met Thr Tyr Trp His Leu Leu
 1 5 10 15

Asn Ala Phe Thr Val Thr Val Pro Lys Asp Leu Tyr Val Val Glu Tyr
 20 25 30

Gly Ser Asn Met Thr Ile Glu Cys Lys Phe Pro Val Glu Lys Gln Leu
 35 40 45
 Asp Leu Ala Ala Leu Ile Val Tyr Trp Glu Met Glu Asp Lys Asn Ile
 50 55 60
 Ile Gln Phe Val His Gly Glu Glu Asp Leu Lys Val Gln His Ser Ser
 65 70 75 80
 Tyr Arg Gln Arg Ala Arg Leu Leu Lys Asp Gln Leu Ser Leu Gly Asn
 85 90 95
 Ala Ala Leu Gln Ile Thr Asp Val Lys Leu Gln Asp Ala Gly Val Tyr
 100 105 110
 Arg Cys Met Ile Ser Tyr Gly Gly Ala Asp Tyr Lys Arg Ile Thr Val
 115 120 125
 Lys Val Asn Ala Pro Tyr Asn Lys Ile Asn Gln Arg Ile Leu Val Val
 130 135 140
 Asp Pro Val Thr Ser Glu His Glu Leu Thr Cys Gln Ala Glu Gly Tyr
 145 150 155 160
 Pro Lys Ala Glu Val Ile Trp Thr Ser Ser Asp His Gln Val Leu Ser
 165 170 175
 Gly Lys Thr Thr Thr Thr Asn Ser Lys Arg Glu Glu Lys Leu Phe Asn
 180 185 190
 Val Thr Ser Thr Leu Arg Ile Asn Thr Thr Thr Asn Glu Ile Phe Tyr
 195 200 205
 Cys Thr Phe Arg Arg Leu Asp Pro Glu Glu Asn His Thr Ala Glu Leu
 210 215 220
 Val Ile Pro Glu Leu Pro Leu Ala His Pro Pro Asn Glu Arg Thr His
 225 230 235 240
 Leu Val Ile Leu Gly Ala Ile Leu Leu Cys Leu Gly Val Ala Leu Thr
 245 250 255
 Phe Ile Phe Arg Leu Arg Lys Gly Arg Met Met Asp Val Lys Lys Cys
 260 265 270
 Gly Ile Gln Asp Thr Asn Ser Lys Lys Gln Ser Asp Thr His Leu Glu
 275 280 285
 Glu Thr
 290

<210> 764

<211> 91

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (40)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 764

Ser Val Ser Lys Lys Lys Lys Lys Lys Lys Val Phe Cys Ile Leu Tyr
1 5 10 15

Lys Leu Val Val Val Gly Ser Arg Gly Leu Ser Thr Asp Asp Leu Met
20 25 30

Arg Ser Val Ser Arg Phe Ala Xaa Ser Gln Thr Phe Val Leu Leu Asn
35 40 45

Ser Ser Ser Phe Phe Ser Phe Leu Glu Thr Glu Ser Ser Ser Val Thr
50 55 60

Arg Leu Glu Cys Ser Gly Thr Ile Lys Ala Tyr Cys Ser Leu Tyr Leu
65 70 75 80

Pro Gly Ser Arg Asn Pro Pro Thr Leu Ala Ser
85 90

<210> 765

<211> 53

<212> PRT

<213> Homo sapiens

<400> 765

Met Val Tyr Cys Val Val Ser Pro Arg Arg Ala Thr Leu Phe Cys Val
1 5 10 15

Leu Leu Leu Gly Thr Arg Cys Glu Ile Ile Ser Val Arg Ser Ser Phe
20 25 30

Gly Glu Tyr Asp Lys Ile Asn Ser Ile Leu Lys Gly Leu Leu Lys Ile
35 40 45

Pro Phe Asn Glu Phe
50

<210> 766

<211> 95

<212> PRT

<213> Homo sapiens

<400> 766

Pro Pro Arg Thr Arg Leu Phe Leu Val Ile Leu Phe Cys Cys Phe Arg
1 5 10 15

Arg Asn Asp Thr Ser Phe Cys Phe Phe Glu Glu Lys Val Phe His Val

	20						25							30					
Thr	Val	Ala	Arg	Thr	Asn	Thr	Lys	Arg	Ser	Arg	Leu	Gln	Met	Leu	Gln				
	35						40					45							
Ala	Cys	Ala	Val	Val	Cys	Val	Cys	Val	Cys	Val	Cys	Val	Cys	Val	Cys				
	50					55					60								
Thr	Tyr	Ile	Tyr	Gly	Lys	His	Ile	Tyr	Cys	Cys	Ala	Ala	Arg	Gly	Lys				
	65				70				75					80					
Pro	Ala	Lys	Lys	Cys	Val	Cys	Leu	Tyr	Glu	Met	Phe	Glu	Lys	Arg					
			85					90					95						

<210> 767
 <211> 53
 <212> PRT
 <213> Homo sapiens

<400> 767																			
Met	Val	Tyr	Cys	Val	Val	Ser	Pro	Arg	Arg	Ala	Thr	Leu	Phe	Cys	Val				
1				5					10					15					
Leu	Leu	Leu	Gly	Thr	Arg	Cys	Glu	Ile	Ile	Ser	Val	Arg	Ser	Ser	Phe				
			20					25					30						
Gly	Glu	Tyr	Asp	Lys	Ile	Asn	Ser	Ile	Leu	Lys	Gly	Leu	Leu	Lys	Ile				
	35					40						45							
Pro	Phe	Asn	Glu	Phe															
	50																		

<210> 768
 <211> 41
 <212> PRT
 <213> Homo sapiens

<400> 768																			
Met	Pro	Ser	Gly	Cys	Arg	Cys	Leu	His	Leu	Val	Cys	Leu	Leu	Cys	Ile				
1				5					10					15					
Leu	Gly	Ala	Pro	Gly	Gln	Pro	Val	Arg	Ala	Asp	Asp	Cys	Ser	Pro	Thr				
			20					25					30						
Val	Thr	Trp	Pro	Thr	Ala	Ala	Val	Asn											
	35						40												

<210> 769
 <211> 20
 <212> PRT
 <213> Homo sapiens

<400> 769

Pro Gly Leu Cys Ser Gln Leu His Val Pro Leu Leu Gly Gly Leu Cys
1 5 10 15

Gly Cys Pro Leu
20

<210> 770

<211> 383

<212> PRT

<213> Homo sapiens

<400> 770

Met Pro Ser Gly Cys Arg Cys Leu His Leu Val Cys Leu Leu Cys Ile
1 5 10 15

Leu Gly Ala Pro Gly Gln Pro Val Arg Ala Asp Asp Cys Ser Ser His
20 25 30

Cys Asp Leu Ala His Gly Cys Cys Ala Pro Asp Gly Ser Cys Arg Cys
35 40 45

Asp Pro Gly Trp Glu Gly Leu His Cys Glu Arg Cys Val Arg Met Pro
50 55 60

Gly Cys Gln His Gly Thr Cys His Gln Pro Trp Gln Cys Ile Cys His
65 70 75 80

Ser Gly Trp Ala Gly Lys Phe Cys Asp Lys Asp Glu His Ile Cys Thr
85 90 95

Thr Gln Ser Pro Cys Gln Asn Gly Gly Gln Cys Met Tyr Asp Gly Gly
100 105 110

Gly Glu Tyr His Cys Val Cys Leu Pro Gly Phe His Gly Arg Asp Cys
115 120 125

Glu Arg Lys Ala Gly Pro Cys Glu Gln Ala Gly Ser Pro Cys Arg Asn
130 135 140

Gly Gly Gln Cys Gln Asp Asp Gln Gly Phe Ala Leu Asn Phe Thr Cys
145 150 155 160

Arg Cys Leu Val Gly Phe Val Gly Ala Arg Cys Glu Val Asn Val Asp
165 170 175

Asp Cys Leu Met Arg Pro Cys Ala Asn Gly Ala Thr Cys Leu Asp Gly
180 185 190

Ile Asn Arg Phe Ser Cys Leu Cys Pro Glu Gly Phe Ala Gly Arg Phe
195 200 205

Cys Thr Ile Asn Leu Asp Asp Cys Ala Ser Arg Pro Cys Gln Arg Gly
210 215 220

Ala	Arg	Cys	Arg	Asp	Arg	Val	His	Asp	Phe	Asp	Cys	Leu	Cys	Pro	Ser
225					230					235					240
Gly	Tyr	Gly	Gly	Lys	Thr	Cys	Glu	Leu	Val	Leu	Pro	Val	Pro	Asp	Pro
				245					250					255	
Pro	Thr	Thr	Val	Asp	Thr	Pro	Leu	Gly	Pro	Thr	Ser	Ala	Val	Val	Val
			260					265					270		
Pro	Ala	Thr	Gly	Pro	Ala	Pro	His	Ser	Ala	Gly	Ala	Gly	Leu	Leu	Arg
		275					280					285			
Ile	Ser	Val	Lys	Glu	Val	Val	Arg	Arg	Gln	Glu	Ala	Gly	Leu	Gly	Glu
	290					295					300				
Pro	Ser	Leu	Val	Ala	Leu	Val	Val	Phe	Gly	Ala	Leu	Thr	Ala	Ala	Leu
305					310					315					320
Val	Leu	Ala	Thr	Val	Leu	Leu	Thr	Leu	Arg	Ala	Trp	Arg	Arg	Gly	Val
				325					330					335	
Cys	Pro	Pro	Gly	Pro	Cys	Cys	Tyr	Pro	Ala	Pro	His	Tyr	Ala	Pro	Ala
			340					345					350		
Cys	Gln	Asp	Gln	Glu	Cys	Gln	Val	Ser	Met	Leu	Pro	Ala	Gly	Leu	Pro
		355					360					365			
Leu	Pro	Arg	Asp	Leu	Pro	Pro	Glu	Pro	Gly	Lys	Thr	Thr	Ala	Leu	
	370					375					380				

<210> 771
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 771
 Pro Gln Thr Ala Gly Pro Gln Lys Cys Ala
 1 5 10

<210> 772
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 772
 Pro Phe Pro Ala Gly Pro His Ser Trp Ile
 1 5 10

<210> 773
 <211> 35

<212> PRT

<213> Homo sapiens

<400> 773

Met Gly Arg Gly Pro Trp Asp Ala Gly Pro Ser Arg Arg Leu Leu Pro
1 5 10 15

Leu Leu Leu Leu Leu Gly Leu Ala Arg Gly Ala Ala Glu Arg Arg Ala
20 25 30

Pro Thr Val
35

<210> 774

<211> 747

<212> PRT

<213> Homo sapiens

<400> 774

Met Gly Arg Gly Pro Trp Asp Ala Gly Pro Ser Arg Arg Leu Leu Pro
1 5 10 15

Leu Leu Leu Leu Leu Gly Leu Ala Arg Gly Ala Ala Gly Ala Pro Gly
20 25 30

Pro Asp Gly Leu Asp Val Cys Ala Thr Cys His Glu His Ala Thr Cys
35 40 45

Gln Gln Arg Glu Gly Lys Lys Ile Cys Ile Cys Asn Tyr Gly Phe Val
50 55 60

Gly Asn Gly Arg Thr Gln Cys Val Asp Lys Asn Glu Cys Gln Phe Gly
65 70 75 80

Ala Thr Leu Val Cys Gly Asn His Thr Ser Cys His Asn Thr Pro Gly
85 90 95

Gly Phe Tyr Cys Ile Cys Leu Glu Gly Tyr Arg Ala Thr Asn Asn Asn
100 105 110

Lys Thr Phe Ile Pro Asn Asp Gly Thr Phe Cys Thr Asp Ile Asp Glu
115 120 125

Cys Glu Val Ser Gly Leu Cys Arg His Gly Gly Arg Cys Val Asn Thr
130 135 140

His Gly Ser Phe Glu Cys Tyr Cys Met Asp Gly Tyr Leu Pro Arg Asn
145 150 155 160

Gly Pro Glu Pro Phe His Pro Thr Thr Asp Ala Thr Ser Cys Thr Glu
165 170 175

Ile Asp Cys Gly Thr Pro Pro Glu Val Pro Asp Gly Tyr Ile Ile Gly
180 185 190

Asn	Tyr	Thr	Ser	Ser	Leu	Gly	Ser	Gln	Val	Arg	Tyr	Ala	Cys	Arg	Glu	195	200	205
Gly	Phe	Phe	Ser	Val	Pro	Glu	Asp	Thr	Val	Ser	Ser	Cys	Thr	Gly	Leu	210	215	220
Gly	Thr	Trp	Glu	Ser	Pro	Lys	Leu	His	Cys	Gln	Glu	Ile	Asn	Cys	Gly	225	230	235
Asn	Pro	Pro	Glu	Met	Arg	His	Ala	Ile	Leu	Val	Gly	Asn	His	Ser	Ser	245	250	255
Arg	Leu	Gly	Gly	Val	Ala	Arg	Tyr	Val	Cys	Gln	Glu	Gly	Phe	Glu	Ser	260	265	270
Pro	Gly	Gly	Lys	Ile	Thr	Ser	Val	Cys	Thr	Glu	Lys	Gly	Thr	Trp	Arg	275	280	285
Glu	Ser	Thr	Leu	Thr	Cys	Thr	Glu	Ile	Leu	Thr	Lys	Ile	Asn	Asp	Val	290	295	300
Ser	Leu	Phe	Asn	Asp	Thr	Cys	Val	Arg	Trp	Gln	Ile	Asn	Ser	Arg	Arg	305	310	315
Ile	Asn	Pro	Lys	Ile	Ser	Tyr	Val	Ile	Ser	Ile	Lys	Gly	Gln	Arg	Leu	325	330	335
Asp	Pro	Met	Glu	Ser	Val	Arg	Glu	Glu	Thr	Val	Asn	Leu	Thr	Thr	Asp	340	345	350
Ser	Arg	Thr	Pro	Glu	Val	Cys	Leu	Ala	Leu	Tyr	Pro	Gly	Thr	Asn	Tyr	355	360	365
Thr	Val	Asn	Ile	Ser	Thr	Ala	Pro	Pro	Arg	Arg	Ser	Met	Pro	Ala	Val	370	375	380
Ile	Gly	Phe	Gln	Thr	Ala	Glu	Val	Asp	Leu	Leu	Glu	Asp	Asp	Gly	Ser	385	390	395
Phe	Asn	Ile	Ser	Ile	Phe	Asn	Glu	Thr	Cys	Leu	Lys	Leu	Asn	Arg	Arg	405	410	415
Ser	Arg	Lys	Val	Gly	Ser	Glu	His	Met	Tyr	Gln	Phe	Thr	Val	Leu	Gly	420	425	430
Gln	Arg	Trp	Tyr	Leu	Ala	Asn	Phe	Ser	His	Ala	Thr	Ser	Phe	Asn	Phe	435	440	445
Thr	Thr	Arg	Glu	Gln	Val	Pro	Val	Val	Cys	Leu	Asp	Leu	Tyr	Pro	Thr	450	455	460
Thr	Asp	Tyr	Thr	Val	Asn	Val	Thr	Leu	Leu	Arg	Ser	Pro	Lys	Arg	His	465	470	475
Ser	Val	Gln	Ile	Thr	Ile	Ala	Thr	Pro	Pro	Ala	Val	Lys	Gln	Thr	Ile	485	490	495

Ser Asn Ile Ser Gly Phe Asn Glu Thr Cys Leu Arg Trp Arg Ser Ile
 500 505 510
 Lys Thr Ala Asp Met Glu Glu Met Tyr Leu Phe His Ile Trp Gly Gln
 515 520 525
 Arg Trp Tyr Gln Lys Glu Phe Ala Gln Glu Met Thr Phe Asn Ile Ser
 530 535 540
 Ser Ser Ser Arg Asp Pro Glu Val Cys Leu Asp Leu Arg Pro Gly Thr
 545 550 555 560
 Asn Tyr Asn Val Ser Leu Arg Ala Leu Ser Ser Glu Leu Pro Val Val
 565 570 575
 Ile Ser Leu Thr Thr Gln Ile Thr Glu Pro Pro Leu Pro Glu Val Glu
 580 585 590
 Phe Phe Thr Val His Arg Gly Pro Leu Pro Arg Leu Arg Leu Arg Lys
 595 600 605
 Ala Lys Glu Lys Asn Gly Pro Ile Ser Ser Tyr Gln Val Leu Val Leu
 610 615 620
 Pro Leu Ala Leu Gln Ser Thr Phe Ser Cys Asp Ser Glu Gly Ala Ser
 625 630 635 640
 Ser Phe Phe Ser Asn Ala Ser Asp Ala Asp Gly Tyr Val Ala Ala Glu
 645 650 655
 Leu Leu Ala Lys Asp Val Pro Asp Asp Ala Met Glu Ile Pro Ile Gly
 660 665 670
 Asp Arg Leu Tyr Tyr Gly Glu Tyr Tyr Asn Ala Pro Leu Lys Arg Gly
 675 680 685
 Ser Asp Tyr Cys Ile Ile Leu Arg Ile Thr Ser Glu Trp Asn Lys Val
 690 695 700
 Arg Arg His Ser Cys Ala Val Trp Ala Gln Val Lys Asp Ser Ser Leu
 705 710 715 720
 Met Leu Leu Gln Met Ala Gly Val Gly Leu Gly Ser Leu Ala Val Val
 725 730 735
 Ile Ile Leu Thr Phe Leu Ser Phe Ser Ala Val
 740 745

<210> 775

<211> 45

<212> PRT

<213> Homo sapiens

<400> 775

Thr Trp Trp Pro Pro Cys Pro Pro Ala Pro Met Gly Gln Val Gly Ser

1	5	10	15
Cys Phe Ala Gly Leu Cys Gly Gln His Thr Arg Gly Leu His Gly Trp			
20	25	30	
Pro Gln Pro Ser Pro Ala Ala Pro Gln Met Arg Ser Cys			
35	40	45	

<210> 776
 <211> 17
 <212> PRT
 <213> Homo sapiens

<400> 776
 Gly Trp Cys Ser Arg Arg Asp Ser Cys Trp Pro Ser Pro Pro Thr Met
 1 5 10 15
 Pro

<210> 777
 <211> 120
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (103)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 777
 Met Gly Thr Val Ser Ser Arg Arg Ser Trp Trp Pro Leu Pro Leu Leu
 1 5 10 15
 Leu Leu Leu Leu Leu Leu Leu Gly Pro Ala Gly Ala Arg Ala Gln Glu
 20 25 30
 Asp Glu Asp Gly Asp Tyr Glu Glu Leu Val Leu Ala Leu Arg Ser Glu
 35 40 45
 Glu Asp Gly Leu Ala Glu Ala Pro Glu His Gly Thr Thr Ala Thr Phe
 50 55 60
 His Arg Cys Ala Lys Asp Pro Trp Arg Leu Pro Gly Thr Tyr Val Val
 65 70 75 80
 Val Leu Lys Glu Glu Thr His Leu Ser Gln Ser Glu Arg Thr Ala Arg
 85 90 95
 Arg Leu Gln Ala Gln Ala Xaa Arg Arg Gly Tyr Leu Pro Arg Ser Cys
 100 105 110
 Met Ser Ser Met Ala Phe Phe Leu

<210> 778
 <211> 269
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (236)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (257)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 778
 Met Gly Thr Val Ser Ser Arg Arg Ser Trp Trp Pro Leu Pro Leu Leu
 1 5 10 15
 Leu Leu Leu Leu Leu Leu Leu Gly Pro Ala Gly Ala Arg Ala Gln Glu
 20 25 30
 Asp Glu Asp Gly Asp Tyr Glu Glu Leu Val Leu Ala Leu Arg Ser Glu
 35 40 45
 Glu Asp Gly Leu Ala Glu Ala Pro Glu His Gly Thr Thr Ala Thr Phe
 50 55 60
 His Arg Cys Ala Lys Asp Pro Trp Arg Leu Pro Gly Thr Tyr Val Val
 65 70 75 80
 Val Leu Lys Glu Glu Thr His Leu Ser Gln Ser Glu Arg Thr Ala Arg
 85 90 95
 Arg Leu Gln Ala Gln Ala Ala Arg Arg Gly Tyr Leu Thr Lys Ile Leu
 100 105 110
 His Val Phe His Gly Leu Leu Pro Gly Phe Leu Val Lys Met Ser Gly
 115 120 125
 Asp Leu Leu Glu Leu Ala Leu Lys Leu Pro His Val Asp Tyr Ile Glu
 130 135 140
 Glu Asp Ser Ser Val Phe Ala Gln Ser Ile Pro Trp Asn Leu Glu Arg
 145 150 155 160
 Ile Thr Pro Pro Arg Tyr Arg Ala Asp Glu Tyr Gln Pro Pro Asp Gly
 165 170 175
 Gly Ser Leu Val Glu Val Tyr Leu Leu Asp Thr Ser Ile Gln Ser Asp
 180 185 190
 His Arg Glu Ile Glu Gly Arg Val Met Val Thr Asp Phe Glu Asn Val

195	200	205
Pro Glu Glu Asp Gly Thr Arg Phe His Arg Gln Ala Ser Lys Cys Asp		
210	215	220
Ser His Gly Pro Thr Trp Gln Gly Trp Ser Ala Xaa Gly Met Pro Ala		
225	230	235 240
Trp Pro Arg Val Pro Ala Cys Ala Ala Cys Ala Cys Phe Pro Lys Lys		
	245 250	255
Xaa Pro Leu Leu Gly Gly Pro Pro Gln Lys Lys Gly Gly		
	260 265	

<210> 779
 <211> 107
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (92)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 779
 Met Val Arg Tyr Thr Tyr Ser Met Leu Ser Val Ile Gly Ile Ser Tyr
 1 5 10 15
 Ala Val Leu Thr Trp Leu Ser Gln Thr Leu Trp Met Pro Ile Tyr Pro
 20 25 30
 Leu Cys Val Leu Ala Glu Ala Phe Ala Ile Tyr Gln Ser Leu Pro Tyr
 35 40 45
 Phe Glu Ser Phe Gly Thr Tyr Ser Thr Lys Leu Pro Phe Asp Leu Ser
 50 55 60
 Ile Tyr Phe Pro Tyr Val Leu Lys Ile Tyr Leu Met Met Leu Phe Ile
 65 70 75 80
 Gly Met Tyr Phe Thr Tyr Ser His Leu Tyr Ser Xaa Arg Arg Asp Ile
 85 90 95
 Leu Gly Ile Phe Pro Ile Lys Lys Lys Lys Met
 100 105

<210> 780
 <211> 37
 <212> PRT
 <213> Homo sapiens

<400> 780
 Met Val Arg Tyr Thr Tyr Ser Met Leu Ser Val Ile Gly Ile Ser Tyr

1 5 10 15
 Ala Val Leu Thr Trp Ala Gln Ser Asn Thr Met Asp Ala Asn Leu Ser
 20 25 30
 Phe Val Cys Ser Cys
 35

<210> 781
 <211> 107
 <212> PRT
 <213> Homo sapiens

<400> 781
 Met Val Arg Tyr Thr Tyr Ser Met Leu Ser Val Ile Gly Ile Ser Tyr
 1 5 10 15
 Ala Val Leu Thr Trp Leu Ser Gln Thr Leu Trp Met Pro Ile Tyr Pro
 20 25 30
 Leu Cys Val Leu Ala Glu Ala Phe Ala Ile Tyr Gln Ser Leu Pro Tyr
 35 40 45
 Phe Glu Ser Phe Gly Thr Tyr Ser Thr Lys Leu Pro Phe Asp Leu Ser
 50 55 60
 Ile Tyr Phe Pro Tyr Val Leu Lys Ile Tyr Leu Met Met Leu Phe Ile
 65 70 75 80
 Gly Met Tyr Phe Thr Tyr Ser His Leu Tyr Ser Glu Arg Arg Asp Ile
 85 90 95
 Leu Gly Ile Phe Pro Ile Lys Lys Lys Lys Met
 100 105

<210> 782
 <211> 53
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (40)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 782
 Ser Asn Pro Ser His Ile Leu Met Ile Ser Ile Leu Leu Ser His Ala
 1 5 10 15
 Ser Arg Gly Ala Gly Ala Asp Pro Lys Arg Ser Cys Cys Pro Gln Arg
 20 25 30
 Val Gly Ser Arg Gly Arg Ala Xaa Val Arg Leu Thr Arg Leu Cys Ser

35

40

45

Gln Pro Ser Pro His
50

<210> 783

<211> 33

<212> PRT

<213> Homo sapiens

<400> 783

His His Val Ala Gln Ala Leu Pro Pro Ala Gly Ala Pro Arg Gly Arg
1 5 10 15

Pro His Gln Pro His Pro Ala Pro Val Gly Gln Gly Ser Pro Glu Arg
20 25 30

Gly

<210> 784

<211> 74

<212> PRT

<213> Homo sapiens

<400> 784

Met Gly Phe His His Val Ser Gln Ala Ala Leu Val Leu Leu Leu Leu
1 5 10 15

Leu Leu Leu Leu Leu Leu Phe Asp Thr Glu Ser Arg Ser Ser Leu Ala
20 25 30

Thr Glu Arg Asp Ser Ile Ser Lys Lys Lys Asn Lys Lys Thr Lys Lys
35 40 45

Lys Asn Arg Lys Glu Thr Lys Asn Val Val Leu Ile Leu Ile Asn Ser
50 55 60

Asn Ser Phe Met Trp Leu Ala Ala Ala Leu
65 70

<210> 785

<211> 74

<212> PRT

<213> Homo sapiens

<400> 785

Met Gly Phe His His Val Ser Gln Ala Ala Leu Val Leu Leu Leu Leu
1 5 10 15

Leu Leu Leu Leu Leu Leu Phe Asp Thr Glu Ser Arg Ser Ser Leu Ala

	20		25		30
Thr	Glu	Arg	Asp	Ser	Ile
	35		40		45
Lys	Asn	Arg	Lys	Glu	Thr
	50		55		60
Asn	Ser	Phe	Met	Trp	Leu
	65		70		

<210> 786
 <211> 178
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (157)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (170)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (171)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (177)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 786
Met Ala Ala Pro Arg Gly Arg Ala Ala Pro Trp Thr Thr Ala Leu Leu
1 5 10 15
Leu Leu Leu Ala Ser Gln Val Leu Ser Pro Gly Ser Cys Ala Asp Glu
20 25 30
Glu Glu Val Pro Glu Glu Trp Val Leu Leu His Val Val Gln Gly Gln
35 40 45
Ile Gly Ala Gly Asn Tyr Ser Tyr Leu Arg Leu Asn His Glu Gly Lys
50 55 60
Ile Val Leu Arg Met Arg Ser Leu Lys Gly Asp Ala Asp Leu Tyr Val
65 70 75 80
Ser Ala Ser Ser Leu His Pro Ser Phe Asp Asp Tyr Glu Leu Gln Ser
85 90 95

Ala Thr Cys Gly Pro Asp Ala Val Ser Ile Pro Ala His Phe Arg Arg
 100 105 110
 Pro Val Gly Ile Gly Val Tyr Gly His Pro Ser His Leu Glu Ser Glu
 115 120 125
 Phe Glu Met Lys Val Tyr Tyr Asp Gly Thr Val Glu Gln His Pro Phe
 130 135 140
 Gly Glu Ala Ala Tyr Pro Ala Asp Gly Gln Met Pro Xaa Arg Ser Thr
 145 150 155 160
 Leu Val Pro Arg Lys Thr Pro Arg Lys Xaa Xaa Asn Leu Phe Ser Gly
 165 170 175
 Xaa Tyr

<210> 787
 <211> 191
 <212> PRT
 <213> Homo sapiens

<400> 787
 Met Ala Ala Pro Arg Gly Arg Ala Ala Pro Trp Thr Thr Ala Leu Leu
 1 5 10 15
 Leu Leu Leu Ala Ser Gln Val Leu Ser Pro Gly Ser Cys Ala Asp Glu
 20 25 30
 Glu Glu Val Pro Glu Glu Trp Val Leu Leu His Val Val Gln Gly Gln
 35 40 45
 Ile Gly Ala Gly Asn Tyr Ser Tyr Leu Arg Leu Asn His Glu Gly Lys
 50 55 60
 Ile Val Leu Arg Met Arg Ser Leu Lys Gly Asp Ala Asp Leu Tyr Val
 65 70 75 80
 Ser Ala Ser Ser Leu His Pro Ser Phe Asp Asp Tyr Glu Leu Gln Ser
 85 90 95
 Ala Thr Cys Gly Pro Asp Ala Val Ser Ile Pro Ala His Phe Arg Arg
 100 105 110
 Pro Val Gly Ile Gly Val Tyr Gly His Pro Ser His Leu Glu Ser Glu
 115 120 125
 Phe Glu Met Lys Val Tyr Tyr Asp Gly Thr Val Glu Gln His Pro Phe
 130 135 140
 Gly Glu Ala Ala Tyr Pro Ala Asp Gly Ala Asp Ala Gly Gln Lys His
 145 150 155 160
 Ala Gly Ala Pro Glu Asp Ala Ser Gln Glu Glu Glu Ser Val Leu Trp

	165		170		175									
Thr	Ile	Leu	Ile	Ser	Ile	Leu	Lys	Leu	Glu	Leu	Glu	Ile	Leu	Phe
		180					185						190	

<210> 788
 <211> 8
 <212> PRT
 <213> Homo sapiens

<400> 788
 Thr Ala Ile Phe Phe Leu Leu Val
 1 5

<210> 789
 <211> 56
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (9)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (24)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (30)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 789
 Met Arg Phe Trp Phe Leu Val Phe Xaa Phe Phe Phe Phe Pro Glu Ala
 1 5 10 15

His Val Tyr Pro Thr Ser Trp Xaa Val Ser Glu Gln Gly Xaa Ala Thr
 20 25 30

Ile Ser Val Thr Pro Gly Ile Leu Asn Trp Ile Phe Val Glu Glu Glu
 35 40 45

Asn Asn Thr Val Leu Asp Phe Pro
 50 55

<210> 790
 <211> 279
 <212> PRT
 <213> Homo sapiens

<400> 790

Glu Glu Arg Trp Lys Ser Pro Glu Val Arg Trp Ala Pro Gly Val Ala
1 5 10 15

Met Glu Glu Ser Gly Tyr Glu Ser Val Leu Cys Val Lys Pro Asp Val
20 25 30

His Val Tyr Arg Ile Pro Pro Arg Ala Thr Asn Arg Gly Tyr Arg Ala
35 40 45

Ala Glu Trp Gln Leu Asp Gln Pro Ser Trp Ser Gly Arg Leu Arg Ile
50 55 60

Thr Ala Lys Gly Gln Met Ala Tyr Ile Lys Leu Glu Asp Arg Thr Ser
65 70 75 80

Gly Glu Leu Phe Ala Gln Ala Pro Val Asp Gln Phe Pro Gly Thr Ala
85 90 95

Val Glu Ser Val Thr Asp Ser Ser Arg Tyr Phe Val Ile Arg Ile Glu
100 105 110

Asp Gly Asn Gly Arg Arg Ala Phe Ile Gly Ile Gly Phe Gly Asp Arg
115 120 125

Gly Asp Ala Phe Asp Phe Asn Val Ala Leu Gln Asp His Phe Lys Trp
130 135 140

Val Lys Gln Gln Cys Glu Phe Ala Lys Gln Ala Gln Asn Pro Asp Gln
145 150 155 160

Gly Pro Lys Leu Asp Leu Gly Phe Lys Glu Gly Gln Thr Ile Lys Leu
165 170 175

Asn Ile Ala Asn Met Lys Lys Lys Glu Gly Ala Ala Gly Asn Pro Arg
180 185 190

Val Arg Pro Ala Ser Thr Gly Gly Leu Ser Leu Leu Pro Pro Pro Pro
195 200 205

Gly Gly Lys Thr Ser Thr Leu Ile Pro Pro Pro Gly Glu Gln Leu Ala
210 215 220

Val Gly Gly Ser Leu Val Gln Pro Ala Val Ala Pro Ser Ser Gly Gly
225 230 235 240

Ala Pro Val Pro Trp Pro Gln Pro Asn Pro Ala Thr Ala Asp Ile Trp
245 250 255

Gly Asp Phe Thr Lys Ser Thr Gly Ser Thr Ser Ser Gln Thr Gln Pro
260 265 270

Gly Thr Gly Trp Val Gln Phe
275

<210> 791
<211> 106
<212> PRT
<213> Homo sapiens

<400> 791
Arg Ser Arg Ser Lys Pro Arg Cys Asn Cys Glu Ile Val Thr Ile Phe
1 5 10 15
Phe Ala Arg Phe Lys Ile Gly Pro Gly Arg His Arg Lys Arg Lys Ile
20 25 30
Pro Lys Leu Cys Ser Ser Gly Ser Thr Ile Gly Arg Val Tyr Ser Leu
35 40 45
Pro Gly Leu Leu Arg Arg Gly Ser Cys Leu Phe Gly Tyr Ile Thr Pro
50 55 60
Asp Trp Phe Val Leu Lys Ile Asn Val Ile Met Leu Val Ser Tyr Leu
65 70 75 80
Met Val Ser Leu Glu His Ser Pro Leu Ile Leu Phe Glu Arg Val Gly
85 90 95
Gly Arg Asp Cys Glu Gly Arg Glu Lys Cys
100 105

<210> 792
<211> 56
<212> PRT
<213> Homo sapiens

<400> 792
Met Arg Phe Trp Phe Leu Val Phe Cys Phe Phe Phe Phe Pro Glu Ala
1 5 10 15
His Val Tyr Pro Thr Ser Trp Ser Val Ser Glu Gln Gly Cys Ala Thr
20 25 30
Ile Ser Val Thr Pro Gly Ile Leu Asn Trp Ile Phe Val Glu Glu Glu
35 40 45
Asn Asn Thr Val Leu Asp Phe Pro
50 55

<210> 793
<211> 41
<212> PRT
<213> Homo sapiens

<400> 793
Met Thr Phe Ser Pro Leu Met Cys Tyr Cys Cys Cys Trp Val Gly Trp

1 5 10 15
Ala Phe Cys Leu Phe Val Trp Trp Gln Ser Val Val Val Gly Ser Gly
20 25 30

Arg Ala Tyr Ile Gly Phe Ser Ser Tyr
35 40

<210> 794
<211> 41
<212> PRT
<213> Homo sapiens

<400> 794
Met Thr Phe Ser Pro Leu Met Cys Tyr Cys Cys Cys Trp Val Gly Trp
1 5 10 15

Ala Phe Cys Leu Phe Val Trp Trp Gln Ser Val Val Val Gly Ser Gly
20 25 30

Arg Ala Tyr Ile Gly Phe Ser Ser Tyr
35 40

<210> 795
<211> 41
<212> PRT
<213> Homo sapiens

<400> 795
Met Thr Phe Ser Pro Leu Met Cys Tyr Cys Cys Cys Trp Val Gly Trp
1 5 10 15

Ala Phe Cys Leu Phe Val Trp Trp Gln Ser Val Val Val Gly Ser Gly
20 25 30

Arg Ala Tyr Ile Gly Phe Ser Ser Tyr
35 40

<210> 796
<211> 43
<212> PRT
<213> Homo sapiens

<400> 796
Phe Leu Arg Phe Asp Gly Ile Ile Met Glu Ala Leu Tyr Lys Leu Asn
1 5 10 15

Glu Ile Gly Lys Gly Glu Leu Thr Leu Ser Ile Met His Ser Gly Leu
20 25 30

Lys Ile Arg Phe Gln Asn Glu Met Ser Asp Leu

<210> 797
 <211> 12
 <212> PRT
 <213> Homo sapiens

<400> 797
 Ile Gly Val Asn Tyr Leu Leu Leu Phe Phe Ile Phe
 1 5 10

<210> 798
 <211> 19
 <212> PRT
 <213> Homo sapiens

<400> 798
 Lys Leu Gly Phe Ser Thr Ile Leu Leu Leu Ser Ile Phe Ile Met Ser
 1 5 10 15

Glu Ala Asn

<210> 799
 <211> 19
 <212> PRT
 <213> Homo sapiens

<400> 799
 Lys Leu Gly Phe Ser Thr Ile Leu Leu Leu Ser Ile Phe Ile Met Ser
 1 5 10 15

Glu Ala Asn

<210> 800
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 800
 Leu Cys Val Cys Thr Gly Cys Pro Gly Gly Gly Pro Gln Ile Pro Phe
 1 5 10 15

Arg Trp Gln Thr Glu Arg Gly
 20

<210> 801
<211> 29
<212> PRT
<213> Homo sapiens

<400> 801
Val Cys Val Cys Val Cys Leu Ile Ala Arg Val Tyr Phe Cys Ile Tyr
1 5 10 15
Val Cys Val Trp Leu His Gly Cys Ala Ser Val Cys Leu
20 25

<210> 802
<211> 6
<212> PRT
<213> Homo sapiens

<400> 802
Val Leu Pro Ser Ala Ser
1 5

<210> 803
<211> 35
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 803
Met Arg Ala Ser Gly Val Tyr Val Ser Xaa Cys Ser Phe Val Phe Met
1 5 10 15
Cys Val Cys Val Cys Met Leu Asn Ser Arg Xaa Thr Phe Asp Tyr Gly
20 25 30

Val Cys Gly
35

<210> 804
<211> 56
<212> PRT
<213> Homo sapiens

<400> 804

Met Arg Ala Ser Gly Val Tyr Val Ser Glu Cys Ser Phe Val Phe Met
1 5 10 15

Cys Val Cys Val Cys Met Ser Asp Cys Thr Gly Val Leu Leu Tyr Leu
20 25 30

Cys Val Cys Val Val Ala Arg Val Cys Leu Cys Val Ser Leu Thr Leu
35 40 45

Ala Gly Cys Val Cys Lys Ser Val
50 55

<210> 805

<211> 60

<212> PRT

<213> Homo sapiens

<400> 805

Met Ile Arg Ile Gln Phe Leu His Leu Phe Leu Trp Val Gly Phe Ile
1 5 10 15

Phe Arg Gln Pro Pro Ser Ser Tyr Pro Gln Asp Gly Arg Asp Ser Pro
20 25 30

Trp Ser Phe Pro Cys Arg Asp Arg Ser Pro Gly Asn Asn Thr Ser Ile
35 40 45

Pro Ser His Glu Thr Val Leu Asn Phe Ile Leu Thr
50 55 60

<210> 806

<211> 60

<212> PRT

<213> Homo sapiens

<400> 806

Met Ile Arg Ile Gln Phe Leu His Leu Phe Leu Trp Val Gly Phe Ile
1 5 10 15

Phe Arg Gln Pro Pro Ser Ser Tyr Pro Gln Asp Gly Arg Asp Ser Pro
20 25 30

Trp Ser Phe Pro Cys Arg Asp Arg Ser Pro Gly Asn Asn Thr Ser Ile
35 40 45

Pro Ser His Glu Thr Val Leu Asn Phe Ile Leu Thr
50 55 60

<210> 807

<211> 444

<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (92)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (95)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (97)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (98)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (101)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 807
Met Leu Gln Arg Ile Gly Leu Ile Phe Leu His Asn Ile Val Val Val
1 5 10 15
Ser Asn Cys Phe Tyr Phe Gln Ala Phe Leu Asp Glu Phe Thr Asn Trp
20 25 30
Ser Arg Ile Asn Pro Asn Lys Ala Arg Ile Pro Met Ala Gly Asp Thr
35 40 45
Gln Gly Val Val Gly Thr Val Ser Lys Pro Cys Phe Thr Ala Tyr Glu
50 55 60
Met Lys Ile Gly Ala Ile Thr Phe Gln Val Ala Thr Gly Asp Ile Ala
65 70 75 80
Thr Glu Gln Val Asp Val Ile Val Asn Ser Thr Xaa Arg Thr Xaa Asn
85 90 95
Xaa Xaa Ser Gly Xaa Ser Arg Ala Ile Leu Glu Gly Ala Gly Gln Ala
100 105 110
Val Glu Ser Glu Cys Ala Val Leu Ala Ala Gln Pro His Arg Asp Phe
115 120 125
Ile Ile Thr Pro Gly Gly Cys Leu Lys Cys Lys Ile Ile Ile His Val
130 135 140
Pro Gly Gly Lys Asp Val Arg Lys Thr Val Thr Ser Val Leu Glu Glu

145		150		155		160
Cys Glu Gln Arg Lys Tyr Thr Ser Val Ser Leu Pro Ala Ile Gly Thr						
	165			170		175
Gly Asn Ala Gly Lys Asn Pro Ile Thr Val Ala Asp Asn Ile Ile Asp						
	180			185		190
Ala Ile Val Asp Phe Ser Ser Gln His Ser Thr Pro Ser Leu Lys Thr						
	195			200		205
Val Lys Val Val Ile Phe Gln Pro Glu Leu Leu Asn Ile Phe Tyr Asp						
	210			215		220
Ser Met Lys Lys Arg Asp Leu Ser Ala Ser Leu Asn Phe Gln Ser Thr						
	225			230		235
Phe Ser Met Thr Thr Cys Asn Leu Pro Glu His Trp Thr Asp Met Asn						
	245			250		255
His Gln Leu Phe Cys Met Val Gln Leu Glu Pro Gly Gln Ser Glu Tyr						
	260			265		270
Asn Thr Ile Lys Asp Lys Phe Thr Arg Thr Cys Ser Ser Tyr Ala Ile						
	275			280		285
Glu Lys Ile Glu Arg Ile Gln Asn Ala Phe Leu Trp Gln Ser Tyr Gln						
	290			295		300
Val Lys Lys Arg Gln Met Asp Ile Lys Asn Asp His Lys Asn Asn Glu						
	305			310		315
Arg Leu Leu Phe His Gly Thr Asp Ala Asp Ser Val Pro Tyr Val Asn						
	325			330		335
Gln His Gly Phe Asn Arg Ser Cys Ala Gly Lys Asn Ala Val Ser Tyr						
	340			345		350
Gly Lys Gly Thr Tyr Phe Ala Val Asp Ala Ser Tyr Ser Ala Lys Asp						
	355			360		365
Thr Tyr Ser Lys Pro Asp Ser Asn Gly Arg Lys His Met Tyr Val Val						
	370			375		380
Arg Val Leu Thr Gly Val Phe Thr Lys Gly Arg Ala Gly Leu Val Thr						
	385			390		395
Pro Pro Pro Lys Asn Pro His Asn Pro Thr Asp Leu Phe Asp Ser Val						
	405			410		415
Thr Asn Asn Thr Arg Ser Pro Lys Leu Phe Val Val Phe Phe Asp Asn						
	420			425		430
Gln Ala Tyr Pro Glu Tyr Leu Ile Thr Phe Thr Ala						
	435			440		

<210> 808
<211> 505
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (358)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (494)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (504)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (505)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 808
Met Phe Arg Thr Ala Val Met Met Ala Ala Ser Leu Ala Leu Thr Gly
1 5 10 15
Ala Val Val Ala His Ala Tyr Tyr Leu Lys His Gln Phe Tyr Pro Thr
20 25 30
Val Val Tyr Leu Thr Lys Ser Ser Pro Ser Met Ala Val Leu Tyr Ile
35 40 45
Gln Ala Phe Val Leu Val Phe Leu Leu Gly Lys Val Met Gly Lys Val
50 55 60
Phe Phe Gly Gln Leu Arg Ala Ala Glu Met Glu His Leu Leu Glu Arg
65 70 75 80
Ser Trp Tyr Ala Val Thr Glu Thr Cys Leu Ala Phe Thr Val Phe Arg
85 90 95
Asp Asp Phe Ser Pro Arg Phe Val Ala Leu Phe Thr Leu Leu Leu Phe
100 105 110
Leu Lys Cys Phe His Trp Leu Ala Glu Asp Arg Val Asp Phe Met Glu
115 120 125
Arg Ser Pro Asn Ile Ser Trp Leu Phe His Cys Arg Ile Val Ser Leu
130 135 140
Met Phe Leu Leu Gly Ile Leu Asp Phe Leu Phe Val Ser His Ala Tyr
145 150 155 160

His	Ser	Ile	Leu	Thr	Arg	Gly	Ala	Ser	Val	Gln	Leu	Val	Phe	Gly	Phe	165	170	175
Glu	Tyr	Ala	Ile	Leu	Met	Thr	Met	Val	Leu	Thr	Ile	Phe	Ile	Lys	Tyr	180	185	190
Val	Leu	His	Ser	Val	Asp	Leu	Gln	Ser	Glu	Asn	Pro	Trp	Asp	Asn	Lys	195	200	205
Ala	Val	Tyr	Met	Leu	Tyr	Thr	Glu	Leu	Phe	Thr	Gly	Phe	Ile	Lys	Val	210	215	220
Leu	Leu	Tyr	Met	Ala	Phe	Met	Thr	Ile	Met	Ile	Lys	Val	His	Thr	Phe	225	230	235
Pro	Leu	Phe	Ala	Ile	Arg	Pro	Met	Tyr	Leu	Ala	Met	Arg	Gln	Phe	Lys	245	250	255
Lys	Ala	Val	Thr	Asp	Ala	Ile	Met	Ser	Arg	Arg	Ala	Ile	Arg	Asn	Met	260	265	270
Asn	Thr	Leu	Tyr	Pro	Asp	Ala	Thr	Pro	Glu	Glu	Leu	Gln	Ala	Met	Asp	275	280	285
Asn	Val	Cys	Ile	Ile	Cys	Arg	Glu	Glu	Met	Val	Thr	Gly	Ala	Lys	Arg	290	295	300
Leu	Pro	Cys	Asn	His	Ile	Phe	His	Thr	Ser	Cys	Leu	Arg	Ser	Trp	Phe	305	310	315
Gln	Arg	Gln	Gln	Thr	Cys	Pro	Thr	Cys	Arg	Met	Asp	Val	Leu	Arg	Ala	325	330	335
Ser	Leu	Pro	Ala	Gln	Ser	Pro	Pro	Pro	Pro	Glu	Pro	Ala	Asp	Gln	Gly	340	345	350
Pro	Pro	Pro	Ala	Pro	Xaa	Pro	Pro	Pro	Leu	Leu	Pro	Gln	Pro	Pro	Asn	355	360	365
Phe	Pro	Gln	Gly	Leu	Leu	Pro	Pro	Phe	Pro	Pro	Gly	Met	Phe	Pro	Leu	370	375	380
Trp	Pro	Pro	Met	Gly	Pro	Phe	Pro	Pro	Val	Pro	Pro	Pro	Pro	Ser	Ser	385	390	395
Gly	Glu	Ala	Val	Ala	Pro	Pro	Ser	Thr	Ser	Ala	Ala	Ala	Leu	Ser	Arg	405	410	415
Pro	Ser	Gly	Ala	Ala	Thr	Thr	Thr	Ala	Ala	Gly	Thr	Ser	Ala	Thr	Ala	420	425	430
Ala	Ser	Ala	Thr	Ala	Ser	Gly	Pro	Gly	Ser	Gly	Ser	Ala	Pro	Glu	Ala	435	440	445
Gly	Pro	Ala	Pro	Gly	Phe	Pro	Phe	Pro	Pro	Pro	Trp	Met	Gly	Met	Pro	450	455	460

Leu Pro Pro Pro Phe Ala Phe Pro Pro Met Pro Val Pro Pro Ala Gly
 465 470 475 480

Phe Ala Gly Leu Thr Pro Glu Glu Tyr Glu Leu Trp Arg Xaa Met Ser
 485 490 495

Gly Arg Thr Gly Gly Pro Val Xaa Xaa
 500 505

<210> 809
 <211> 191
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (18)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (21)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 809
 Met Phe Arg Thr Ala Val Met Met Ala Ala Ser Ile Trp Pro Arg Leu
 1 5 10 15

Trp Xaa Cys Pro Xaa Gly Trp Pro Cys Pro Trp Phe Pro Leu Pro Ser
 20 25 30

Ser Leu Asp Gly Tyr Ala Pro Ala Ser Thr Leu Cys Leu Pro Pro Asn
 35 40 45

Ala Cys Ala Pro Cys Gly Phe Ala Gly Leu Thr Pro Glu Glu Leu Arg
 50 55 60

Ala Leu Glu Gly His Glu Arg Gln His Leu Glu Ala Arg Leu Gln Ser
 65 70 75 80

Leu Arg Asn Ile His Thr Leu Leu Asp Ala Ala Met Leu Gln Ile Asn
 85 90 95

Gln Tyr Leu Thr Val Leu Ala Ser Leu Gly Pro Pro Arg Pro Ala Thr
 100 105 110

Ser Val Asn Ser Thr Glu Glu Thr Ala Thr Thr Val Val Ala Ala Ala
 115 120 125

Ser Ser Thr Ser Ile Pro Ser Ser Glu Ala Thr Thr Pro Thr Pro Gly
 130 135 140

Ala Ser Pro Pro Ala Pro Glu Met Glu Arg Pro Pro Ala Pro Glu Ser
 145 150 155 160

Val Gly Thr Glu Glu Met Pro Glu Asp Gly Glu Pro Asp Ala Ala Glu
165 170 175

Leu Arg Arg Arg Arg Leu Gln Lys Leu Glu Ser Pro Val Ala His
180 185 190

<210> 810

<211> 617

<212> PRT

<213> Homo sapiens

<400> 810

Met Phe Arg Thr Ala Val Met Met Ala Ala Ser Leu Ala Leu Thr Gly
1 5 10 15

Ala Val Val Ala His Ala Tyr Tyr Leu Lys His Gln Phe Tyr Pro Thr
20 25 30

Val Val Tyr Leu Thr Lys Ser Ser Pro Ser Met Ala Val Leu Tyr Ile
35 40 45

Gln Ala Phe Val Leu Val Phe Leu Leu Gly Lys Val Met Gly Lys Val
50 55 60

Phe Phe Gly Gln Leu Arg Ala Ala Glu Met Glu His Leu Leu Glu Arg
65 70 75 80

Ser Trp Tyr Ala Val Thr Glu Thr Cys Leu Ala Phe Thr Val Phe Arg
85 90 95

Asp Asp Phe Ser Pro Arg Phe Val Ala Leu Phe Thr Leu Leu Leu Phe
100 105 110

Leu Lys Cys Phe His Trp Leu Ala Glu Asp Arg Val Asp Phe Met Glu
115 120 125

Arg Ser Pro Asn Ile Ser Trp Leu Phe His Cys Arg Ile Val Ser Leu
130 135 140

Met Phe Leu Leu Gly Ile Leu Asp Phe Leu Phe Val Ser His Ala Tyr
145 150 155 160

His Ser Ile Leu Thr Arg Gly Ala Ser Val Gln Leu Val Phe Gly Phe
165 170 175

Glu Tyr Ala Ile Leu Met Thr Met Val Leu Thr Ile Phe Ile Lys Tyr
180 185 190

Val Leu His Ser Val Asp Leu Gln Ser Glu Asn Pro Trp Asp Asn Lys
195 200 205

Ala Val Tyr Met Leu Tyr Thr Glu Leu Phe Thr Gly Phe Ile Lys Val
210 215 220

Leu Leu Tyr Met Ala Phe Met Thr Ile Met Ile Lys Val His Thr Phe

225		230		235		240
Pro Leu Phe	Ala Ile Arg	Pro Met Tyr	Leu Ala Met	Arg Gln Phe	Lys	
	245		250		255	
Lys Ala Val	Thr Asp Ala	Ile Met Ser	Arg Arg Ala	Ile Arg Asn	Met	
	260		265		270	
Asn Thr Leu	Tyr Pro Asp	Ala Thr Pro	Glu Glu Leu	Gln Ala Met	Asp	
	275		280		285	
Asn Val Cys	Ile Ile Cys	Arg Glu Glu	Met Val Thr	Gly Ala Lys	Arg	
	290		295		300	
Leu Pro Cys	Asn His Ile	Phe His Thr	Ser Cys Leu	Arg Ser Trp	Phe	
305		310		315		320
Gln Arg Gln	Gln Thr Cys	Pro Thr Cys	Arg Met Asp	Val Leu Arg	Ala	
	325		330		335	
Ser Leu Pro	Ala Gln Ser	Pro Pro Pro	Pro Glu Pro	Ala Asp Gln	Gly	
	340		345		350	
Pro Pro Pro	Ala Pro His	Pro Pro Pro	Leu Leu Pro	Gln Pro Pro	Asn	
	355		360		365	
Phe Pro Gln	Gly Leu Leu	Pro Pro Phe	Pro Pro Gly	Met Phe Pro	Leu	
370		375		380		
Trp Pro Pro	Met Gly Pro	Phe Pro Pro	Val Pro Pro	Pro Pro Ser	Ser	
385		390		395		400
Gly Glu Ala	Val Ala Pro	Pro Ser Thr	Ser Ala Ala	Ala Leu Ser	Arg	
	405		410		415	
Pro Ser Gly	Ala Ala Thr	Thr Thr Thr	Ala Ala Gly	Thr Ser Ala	Thr Ala	
	420		425		430	
Ala Ser Ala	Thr Ala Ser	Gly Pro Gly	Ser Gly Ser	Ala Pro Glu	Ala	
	435		440		445	
Gly Pro Ala	Pro Gly Phe	Pro Phe Pro	Pro Pro Trp	Met Gly Met	Pro	
	450		455		460	
Leu Pro Pro	Pro Phe Ala	Phe Pro Pro	Met Pro Val	Pro Pro Ala	Gly	
465		470		475		480
Phe Ala Gly	Leu Thr Pro	Glu Glu Leu	Arg Ala Leu	Glu Gly His	Glu	
	485		490		495	
Arg Gln His	Leu Glu Ala	Arg Leu Gln	Ser Leu Arg	Asn Ile His	Thr	
	500		505		510	
Leu Leu Asp	Ala Ala Met	Leu Gln Ile	Asn Gln Tyr	Leu Thr Val	Leu	
	515		520		525	
Ala Ser Leu	Gly Pro Pro	Arg Pro Ala	Thr Ser Val	Asn Ser Thr	Glu	

530		535		540
Glu Thr Ala Thr Thr Val Val Ala Ala Ala Ser Ser Thr Ser Ile Pro				
545		550		560
Ser Ser Glu Ala Thr Thr Pro Thr Pro Gly Ala Ser Pro Pro Ala Pro				
	565		570	575
Glu Met Glu Arg Pro Pro Ala Pro Glu Ser Val Gly Thr Glu Glu Met				
	580		585	590
Pro Glu Asp Gly Glu Pro Asp Ala Ala Glu Leu Arg Arg Arg Arg Leu				
	595		600	605
Gln Lys Leu Glu Ser Pro Val Ala His				
	610		615	

<210> 811
 <211> 20
 <212> PRT
 <213> Homo sapiens

<400> 811
Met Asn Val Arg Leu Val Leu Asn Pro Phe Pro Leu Tyr Ser Val Tyr
1 5 10 15

Val Ile Pro Asn
20

<210> 812
 <211> 11
 <212> PRT
 <213> Homo sapiens

<400> 812
Leu Glu Ile Leu Val Val Lys Lys Leu Leu Ala
1 5 10

<210> 813
 <211> 20
 <212> PRT
 <213> Homo sapiens

<400> 813
Met Asn Val Arg Leu Val Leu Asn Pro Phe Pro Leu Tyr Ser Val Tyr
1 5 10 15

Val Ile Pro Asn
20

<210> 814
<211> 62
<212> PRT
<213> Homo sapiens

<400> 814
Met Leu Cys Pro Ala Leu Gly Pro Phe Leu Leu Phe Leu Leu Ser Ser
1 5 10 15
Thr Leu Met Ala Ser Phe Met Gly Asp Thr Pro Cys His Pro Gly Glu
20 25 30
Leu Ser Ala Phe Gly Val Ala Pro Ser Arg Val Phe Thr Ser Ser Phe
35 40 45
Leu Phe Thr Val Phe Thr Pro Ser Tyr Pro Ser Leu Pro Gly
50 55 60

<210> 815
<211> 62
<212> PRT
<213> Homo sapiens

<400> 815
Met Leu Cys Pro Ala Leu Gly Pro Phe Leu Leu Phe Leu Leu Ser Ser
1 5 10 15
Thr Leu Met Ala Ser Phe Met Gly Asp Thr Pro Cys His Pro Gly Glu
20 25 30
Leu Ser Ala Phe Gly Val Ala Pro Ser Arg Val Phe Thr Ser Ser Phe
35 40 45
Leu Phe Thr Val Phe Thr Pro Ser Tyr Pro Ser Leu Pro Gly
50 55 60

<210> 816
<211> 51
<212> PRT
<213> Homo sapiens

<400> 816
Gln Ala Ser Trp Val Trp Trp Leu Thr Thr Val Ile Pro Ala Leu Trp
1 5 10 15
Glu Ala Arg Ala Gly Gly Ser Leu Glu Pro Arg Ser Ser Arg Leu Ala
20 25 30
Trp Ala Thr Gln Lys Val Phe Ile Ser Lys Lys Lys Lys Lys Lys Lys
35 40 45
Arg Ala Ala

50

<210> 817
<211> 19
<212> PRT
<213> Homo sapiens

<400> 817
Leu Val Cys Phe Val Ile Phe Arg Leu Trp Tyr Met Cys Val Phe Thr
1 5 10 15

Leu Trp Ala

<210> 818
<211> 4
<212> PRT
<213> Homo sapiens

<400> 818
Phe Leu Ser Ser
1

<210> 819
<211> 53
<212> PRT
<213> Homo sapiens

<400> 819
Met Phe Ile Ser Leu Phe Ile Phe Gly Leu Val Arg Leu Trp Pro Cys
1 5 10 15

Cys Val Val Ile Tyr Phe Val Tyr Ser Ile Cys Lys His Gln Cys Ser
20 25 30

Gln Glu Ala His Ser Ser Ile Phe Asn Cys Lys Phe Val Ser Gln Ser
35 40 45

Gln Phe Ser Ile Met
50

<210> 820
<211> 53
<212> PRT
<213> Homo sapiens

<400> 820
Met Phe Ile Ser Leu Phe Ile Phe Gly Leu Val Arg Leu Trp Pro Cys
1 5 10 15

Cys Val Val Ile Tyr Phe Val Tyr Ser Ile Cys Lys His Gln Cys Ser
20 25 30

Gln Glu Ala His Ser Ser Ile Phe Asn Cys Lys Phe Val Ser Gln Ser
35 40 45

Gln Phe Ser Ile Met
50

<210> 821
<211> 283
<212> PRT
<213> Homo sapiens

<400> 821
Met Ile Phe Leu Leu Leu Met Leu Ser Leu Glu Leu Gln Leu His Gln
1 5 10 15

Ile Ala Ala Leu Phe Thr Val Thr Val Pro Lys Glu Leu Tyr Ile Ile
20 25 30

Glu His Gly Ser Asn Val Thr Leu Glu Cys Asn Phe Asp Thr Gly Ser
35 40 45

His Val Asn Leu Gly Ala Ile Thr Ala Ser Leu Gln Lys Val Glu Asn
50 55 60

Asp Thr Ser Pro His Arg Glu Arg Ala Thr Leu Leu Glu Glu Gln Leu
65 70 75 80

Pro Leu Gly Lys Ala Ser Phe His Ile Pro Gln Val Gln Val Arg Asp
85 90 95

Glu Gly Gln Tyr Gln Cys Ile Ile Ile Tyr Gly Val Ala Trp Asp Tyr
100 105 110

Lys Tyr Leu Thr Leu Lys Val Lys Ala Ser Tyr Arg Lys Ile Asn Thr
115 120 125

His Ile Leu Lys Val Pro Glu Thr Asp Glu Val Glu Leu Thr Cys Gln
130 135 140

Ala Thr Gly Tyr Pro Leu Ala Glu Val Ser Trp Pro Asn Val Ser Val
145 150 155 160

Pro Ala Asn Thr Ser His Ser Arg Thr Pro Glu Gly Leu Tyr Gln Val
165 170 175

Thr Ser Val Leu Arg Leu Lys Pro Pro Pro Gly Arg Asn Phe Ser Cys
180 185 190

Val Phe Trp Asn Thr His Val Arg Glu Leu Thr Leu Ala Ser Ile Asp
195 200 205

Leu Gln Ser Gln Met Glu Pro Arg Thr His Pro Thr Trp Leu Leu His
 210 215 220
 Ile Phe Ile Pro Ser Cys Ile Ile Ala Phe Ile Phe Ile Ala Thr Val
 225 230 235 240
 Ile Ala Leu Arg Lys Gln Leu Cys Gln Lys Leu Tyr Ser Ser Lys Asp
 245 250 255
 Thr Thr Lys Arg Pro Val Thr Thr Thr Lys Arg Glu Val Asn Ser Ala
 260 265 270
 Val Asn Leu Asn Leu Trp Ser Trp Glu Pro Gly
 275 280

<210> 822

<211> 93

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (89)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (92)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 822

Met Ile Phe Leu Leu Leu Met Leu Ser Leu Glu Leu Gln Leu His Gln
 1 5 10 15

Ile Ala Ala Leu Phe Thr Val Thr Val Pro Lys Glu Leu Tyr Ile Ile
 20 25 30

Glu His Gly Ser Asn Val Thr Leu Glu Cys Asn Phe Asp Thr Gly Ser
 35 40 45

His Val Asn Leu Gly Ala Ile Thr Ala Ser Leu Gln Lys Val Glu Asn
 50 55 60

Asp Thr Ser Pro His Arg Glu Arg Ala Thr Leu Leu Glu Glu Gln Leu
 65 70 75 80

Pro Leu Gly Lys Ala Ser Phe Pro Xaa Leu Lys Xaa Lys
 85 90

<210> 823

<211> 23

<212> PRT

<213> Homo sapiens

<400> 823

Leu Phe Leu Leu Leu Glu Ile Ser Thr His Leu Cys Phe Trp Lys Ser
1 5 10 15

Leu Arg Lys Leu Glu Gly Lys
20

<210> 824

<211> 46

<212> PRT

<213> Homo sapiens

<400> 824

Met Pro Trp Leu Lys Ser Leu Leu His Phe Ser Leu Phe Leu Val Val
1 5 10 15

Phe Ser Thr Leu Ala Val Lys Ser Leu Gly Val Pro Val Ala Ala Gly
20 25 30

Ser Pro Phe Cys Ile Val Asp Val Leu His Phe Ile Leu Leu
35 40 45

<210> 825

<211> 46

<212> PRT

<213> Homo sapiens

<400> 825

Met Pro Trp Leu Lys Ser Leu Leu His Phe Ser Leu Phe Leu Val Val
1 5 10 15

Phe Ser Thr Leu Ala Val Lys Ser Leu Gly Val Pro Val Ala Ala Gly
20 25 30

Ser Pro Phe Cys Ile Val Asp Val Leu His Phe Ile Leu Leu
35 40 45

<210> 826

<211> 67

<212> PRT

<213> Homo sapiens

<400> 826

Met Asp Arg Gly Val Met Cys Leu Leu Ala Ser Trp Pro Gly Leu Gly
1 5 10 15

Ala Gln Phe Cys Gly Ala Gly Val Cys Pro Leu Arg Val Pro Ser Leu
20 25 30

Glu Pro Thr Leu Pro Asn Asp Gly Gly Gly Leu Glu Ala Leu Thr Leu

35 40 45
 Gly Gly Lys Glu Ala Lys Glu Arg Trp Arg Trp Lys Gly Arg Pro Gly
 50 55 60
 Gln Gly Gly
 65

<210> 827
 <211> 83
 <212> PRT
 <213> Homo sapiens

<400> 827
 Gly His Val Leu Ala Tyr Ser Ser Trp Pro Ser Leu Ala Pro Gly Leu
 1 5 10 15
 Ser Val Gln Tyr Phe Val Ser Arg Val Glu Val Pro Asn Pro Gly Cys
 20 25 30
 Thr Leu Glu Ala Pro Gly Lys Leu Ser Glu Phe Leu Arg Pro Glu Pro
 35 40 45
 His Pro Lys Pro Ile Ser Ser Glu Ser Leu Gly Gly Thr Glu Pro Gly
 50 55 60
 Phe Cys Gln Leu Lys Pro Ala Met Val Thr Ser Val Ser Ser Tyr Thr
 65 70 75 80
 Glu Asn Ser

<210> 828
 <211> 67
 <212> PRT
 <213> Homo sapiens

<400> 828
 Met Asp Arg Gly Val Met Cys Leu Leu Ala Ser Trp Pro Gly Leu Gly
 1 5 10 15
 Ala Gln Phe Cys Gly Ala Gly Val Cys Pro Leu Arg Val Pro Ser Leu
 20 25 30
 Glu Pro Thr Leu Pro Asn Asp Gly Gly Gly Leu Glu Ala Leu Thr Leu
 35 40 45
 Gly Gly Lys Glu Ala Lys Glu Arg Trp Arg Trp Lys Gly Arg Pro Gly
 50 55 60
 Gln Gly Gly
 65

<210> 829
<211> 83
<212> PRT
<213> Homo sapiens

<400> 829
Gly His Val Leu Ala Tyr Ser Ser Trp Pro Ser Leu Ala Pro Gly Leu
1 5 10 15
Ser Val Gln Tyr Phe Val Ser Arg Val Glu Val Pro Asn Pro Gly Cys
20 25 30
Thr Leu Glu Ala Pro Gly Lys Leu Ser Glu Phe Leu Arg Pro Glu Pro
35 40 45
His Pro Lys Pro Ile Ser Ser Glu Ser Leu Gly Gly Thr Glu Pro Gly
50 55 60
Phe Cys Gln Leu Lys Pro Ala Met Val Thr Ser Val Ser Ser Tyr Thr
65 70 75 80
Glu Asn Ser

<210> 830
<211> 66
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 830
Ser Trp Val Asp Phe Asp Cys Val Xaa Glu Val Ser Tyr Leu Asn Ser
1 5 10 15
Gly Ser Tyr Ser Leu Val Leu His Leu Glu Gly Leu His Pro Leu Glu
20 25 30
Leu Ser Gly Lys Leu Ala Ile Asp Phe Gly Lys Lys Arg Glu Phe Cys
35 40 45
Val Asp Gly Val Gly Gly Ala Thr Leu Val Ile Cys Pro Gly Phe Gln
50 55 60
Asp Phe
65

<210> 831

<211> 61
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 831
Met Trp Tyr Val Cys Ala Cys Val Cys Val Cys Val Xaa Val Cys Ser
1 5 10 15
Tyr Asn Arg Arg Thr Gly Lys Val Arg Thr Gln Asn Asn Glu Asp Leu
20 25 30
Leu Lys Cys Gly Gly Gly Val Cys Val Cys Val Phe Ile Glu Gln Glu
35 40 45
Asp Arg Lys Gly Asn Asp His Pro Trp Lys Met Lys Gly
50 55 60

<210> 832
<211> 11
<212> PRT
<213> Homo sapiens

<400> 832
Val Cys Cys Cys Leu His Leu Asn Ala Phe Val
1 5 10

<210> 833
<211> 716
<212> PRT
<213> Homo sapiens

<400> 833
Met Asn Asn Phe Arg Ala Thr Ile Leu Phe Trp Ala Ala Ala Ala Trp
1 5 10 15
Ala Lys Ser Gly Lys Pro Ser Gly Glu Met Asp Glu Val Gly Val Gln
20 25 30
Lys Cys Lys Asn Ala Leu Lys Leu Pro Val Leu Glu Val Leu Pro Gly
35 40 45
Gly Gly Trp Asp Asn Leu Arg Asn Val Asp Met Gly Arg Val Met Glu
50 55 60
Leu Thr Tyr Ser Asn Cys Arg Thr Thr Glu Asp Gly Gln Tyr Ile Ile
65 70 75 80
Pro Asp Glu Ile Phe Thr Ile Pro Gln Lys Gln Ser Asn Leu Glu Met

85					90					95					
Asn	Ser	Glu	Ile	Leu	Glu	Ser	Trp	Ala	Asn	Tyr	Gln	Ser	Ser	Thr	Ser
		100						105					110		
Tyr	Ser	Ile	Asn	Thr	Glu	Leu	Ser	Leu	Phe	Ser	Lys	Val	Asn	Gly	Lys
		115					120					125			
Phe	Ser	Thr	Glu	Phe	Gln	Arg	Met	Lys	Thr	Leu	Gln	Val	Lys	Asp	Gln
		130					135					140			
Ala	Ile	Thr	Thr	Arg	Val	Gln	Val	Arg	Asn	Leu	Val	Tyr	Thr	Val	Lys
145						150					155				160
Ile	Asn	Pro	Thr	Leu	Glu	Leu	Ser	Ser	Gly	Phe	Arg	Lys	Glu	Leu	Leu
				165					170					175	
Asp	Ile	Ser	Asp	Arg	Leu	Glu	Asn	Asn	Gln	Thr	Arg	Met	Ala	Thr	Tyr
			180					185					190		
Leu	Ala	Glu	Leu	Leu	Val	Leu	Asn	Tyr	Gly	Thr	His	Val	Thr	Thr	Ser
		195					200					205			
Val	Asp	Ala	Gly	Ala	Ala	Leu	Ile	Gln	Glu	Asp	His	Leu	Arg	Ala	Ser
	210					215					220				
Phe	Leu	Gln	Asp	Ser	Gln	Ser	Ser	Arg	Ser	Ala	Val	Thr	Ala	Ser	Ala
225						230					235				240
Gly	Leu	Ala	Phe	Gln	Asn	Thr	Val	Asn	Phe	Lys	Phe	Glu	Glu	Asn	Tyr
			245						250					255	
Thr	Ser	Gln	Asn	Val	Leu	Thr	Lys	Ser	Tyr	Leu	Ser	Asn	Arg	Thr	Asn
			260					265					270		
Ser	Arg	Val	Gln	Ser	Ile	Gly	Gly	Val	Pro	Phe	Tyr	Pro	Gly	Ile	Thr
		275					280					285			
Leu	Gln	Ala	Trp	Gln	Gln	Gly	Ile	Thr	Asn	His	Leu	Val	Ala	Ile	Asp
		290				295					300				
Arg	Ser	Gly	Leu	Pro	Leu	His	Phe	Phe	Ile	Asn	Pro	Asn	Met	Leu	Pro
305						310					315				320
Asp	Leu	Pro	Gly	Pro	Leu	Val	Lys	Lys	Val	Ser	Lys	Thr	Val	Glu	Thr
			325						330					335	
Ala	Val	Lys	Arg	Tyr	Tyr	Thr	Phe	Asn	Thr	Tyr	Pro	Gly	Cys	Thr	Asp
			340					345					350		
Leu	Asn	Ser	Pro	Asn	Phe	Asn	Phe	Gln	Ala	Asn	Thr	Asp	Asp	Gly	Ser
		355					360					365			
Cys	Glu	Gly	Lys	Met	Thr	Asn	Phe	Ser	Phe	Gly	Gly	Val	Tyr	Gln	Glu
	370					375					380				
Cys	Thr	Gln	Leu	Ser	Gly	Asn	Arg	Asp	Val	Leu	Leu	Cys	Gln	Lys	Leu

385		390		395		400
Glu Gln Lys Asn Pro Leu Thr Gly Asp Phe Ser Cys Pro Ser Gly Tyr						
	405			410		415
Ser Pro Val His Leu Leu Ser Gln Ile His Glu Glu Gly Tyr Asn His						
	420			425		430
Leu Glu Cys His Arg Lys Cys Thr Leu Leu Val Phe Cys Lys Thr Val						
	435			440		445
Cys Glu Asp Val Phe Gln Val Ala Lys Ala Glu Phe Arg Ala Phe Trp						
	450			455		460
Cys Val Ala Ser Ser Gln Val Pro Glu Asn Ser Gly Leu Leu Phe Gly						
	465			470		475
Gly Leu Phe Ser Ser Lys Ser Ile Asn Pro Met Thr Asn Ala Gln Ser						
	485			490		495
Cys Pro Ala Gly Tyr Phe Pro Leu Arg Leu Phe Glu Asn Leu Lys Val						
	500			505		510
Cys Val Ser Gln Asp Tyr Glu Leu Gly Ser Arg Phe Ala Val Pro Phe						
	515			520		525
Gly Gly Phe Phe Ser Cys Thr Val Gly Asn Pro Leu Val Asp Pro Ala						
	530			535		540
Ile Ser Arg Asp Leu Gly Ala Pro Ser Leu Lys Lys Cys Pro Gly Gly						
	545			550		555
Phe Ser Gln His Pro Ala Leu Ile Ser Asp Gly Cys Gln Val Ser Tyr						
	565			570		575
Cys Val Lys Ser Gly Leu Phe Thr Gly Gly Ser Leu Pro Pro Ala Arg						
	580			585		590
Leu Pro Pro Phe Thr Arg Pro Pro Leu Met Ser Gln Ala Ala Thr Asn						
	595			600		605
Thr Val Ile Val Thr Asn Ser Glu Asn Ala Arg Ser Trp Ile Lys Asp						
	610			615		620
Ser Gln Thr His Gln Trp Arg Leu Gly Glu Pro Ile Glu Leu Arg Arg						
	625			630		635
Ala Met Asn Val Ile His Gly Asp Gly Gly Gly Leu Ser Gly Gly Ala						
	645			650		655
Ala Ala Gly Val Thr Val Gly Val Thr Thr Ile Leu Ala Val Val Ile						
	660			665		670
Thr Leu Ala Ile Tyr Gly Thr Arg Lys Phe Lys Lys Lys Ala Tyr Gln						
	675			680		685
Ala Ile Glu Glu Arg Gln Ser Leu Val Pro Gly Thr Ala Ala Thr Gly						

690

695

700

Asp Thr Thr Tyr Gln Glu Gln Gly Gln Ser Pro Ala
 705 710 715

<210> 834

<211> 94

<212> PRT

<213> Homo sapiens

<400> 834

Leu Ala Val Ile Met Ala Arg Pro Ala Ala Glu Pro Leu Cys Phe Leu
 1 5 10 15

Asn Pro Lys Leu Leu Ala Leu Ala Val Gly Val Leu Glu Leu Leu Gly
 20 25 30

Arg Gly Phe Leu Asp Ser Ser Pro Leu Leu Arg Pro Ala Ser Asp Gly
 35 40 45

Glu Arg Phe Thr Trp Glu Ala Leu Gly Glu Ser Leu Pro Phe Ser Asp
 50 55 60

Thr Phe Ala Ser Ser Val Phe Pro Val Pro Gly Val Phe Ser Ala Pro
 65 70 75 80

Ala Gly Ala Glu Ala Phe Val Leu Gly Met Val Met Pro Thr
 85 90

<210> 835

<211> 39

<212> PRT

<213> Homo sapiens

<400> 835

Met His Leu Leu Pro Trp Arg Ala Ala Ala Ala Pro Pro Leu Leu Ile
 1 5 10 15

Ala Val Pro Pro Arg Pro Ser Arg Ser Pro Val Gln Pro Pro Ser Leu
 20 25 30

Gly Ala Ala Asn Pro Ser Ala
 35

<210> 836

<211> 9

<212> PRT

<213> Homo sapiens

<400> 836

Pro Ser Ala Ala Ala Ser Ala Thr Pro

<210> 837
<211> 63
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 837
Met His Leu Leu Pro Trp Arg Ala Ala Ala Ala Xaa Pro Leu Leu Xaa
1 5 10 15

Ala Val Pro Xaa Arg Ala Xaa Arg Xaa Pro Val Gln Ala Pro Ser Leu
20 25 30

Gly Ala Xaa Asn Pro Xaa Arg Gly Thr Gln Val Ala Thr Val Ser Xaa
35 40 45

Xaa Ser Gly Lys Leu Leu Gly Leu Lys Ala Pro Arg Pro Lys Pro
50 55 60

<210> 838
<211> 84
<212> PRT
<213> Homo sapiens

<400> 838
Thr Tyr Ser Phe Cys Val Cys Glu Arg Ala Phe Val Phe Gly Ser Val
1 5 10 15

Pro Arg Ala Glu Val Glu Gln Gly Cys Thr Tyr His Gly Lys Gly Gly
20 25 30

Arg Lys Glu Asn Trp Ile Ala Cys Asp Leu Trp Trp Asn Leu Phe Leu
35 40 45

Leu Pro Arg Pro Phe Arg Pro Cys Leu Ile Ser Val Gly His Phe Arg
50 55 60

Leu Trp Gln Gly Arg Ala Gly Leu Gln Ser Glu Val Pro Ala Ser Ser
65 70 75 80

Leu Glu His Asn

<210> 839
<211> 77
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 839

Leu Gly Gly Tyr Ala Leu Ser Xaa Xaa Xaa Asn Arg Val Thr Asp Xaa
1 5 10 15

Val Met Ile Tyr Phe Phe Ile Ile Ile Val Glu Tyr Phe Tyr Gly Lys
20 25 30

Ile Phe Val Val Leu Ile Ile Pro Ile Lys Ile Met Pro Asn Thr Lys
35 40 45

Tyr Glu Phe Tyr Asp Val His Phe Val Leu Gly Ile Lys Arg Lys Lys
50 55 60

His Thr Ser Trp Lys Ser Val Ser Cys Phe Leu Leu Leu
65 70 75

<210> 840

<211> 184

<212> PRT

<213> Homo sapiens

<400> 840

Met Ser Arg Thr Ala Tyr Thr Val Gly Ala Leu Leu Leu Leu Gly
1 5 10 15

Thr Leu Leu Pro Ala Ala Glu Gly Lys Lys Lys Gly Ser Gln Gly Ala
20 25 30

Ile Pro Pro Pro Asp Lys Ala Gln His Asn Asp Ser Glu Gln Thr Gln
35 40 45

Ser Pro Gln Gln Pro Gly Ser Arg Asn Arg Gly Arg Gly Gln Gly Arg
50 55 60

Gly Thr Ala Met Pro Gly Glu Glu Val Leu Glu Ser Ser Gln Glu Ala
65 70 75 80

Leu His Val Thr Glu Arg Lys Tyr Leu Lys Arg Asp Trp Cys Lys Thr
85 90 95

Gln Pro Leu Lys Gln Thr Ile His Glu Glu Gly Cys Asn Ser Arg Thr
100 105 110

Ile Ile Asn Arg Phe Cys Tyr Gly Gln Cys Asn Ser Phe Tyr Ile Pro
115 120 125

Arg His Ile Arg Lys Glu Glu Gly Ser Phe Gln Ser Cys Ser Phe Cys
130 135 140

Lys Pro Lys Lys Phe Thr Thr Met Met Val Thr Leu Asn Cys Pro Glu
 145 150 155 160

Leu Gln Pro Pro Thr Lys Lys Lys Arg Val Thr Arg Val Lys Gln Cys
 165 170 175

Arg Cys Ile Ser Ile Asp Leu Asp
 180

<210> 841
 <211> 87
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (26)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 841
 Xaa His Ser His Trp Glu Gly Leu Lys Leu Cys Cys Leu Asn Pro Val
 1 5 10 15

Leu Gly Pro Ala Arg Lys Arg Lys Arg Xaa Leu Arg Asn Arg Gly Ala
 20 25 30

Arg Gly Gly Cys Arg Cys His Ser Arg Ala Ala Leu His Pro His Pro
 35 40 45

His Ala Ser Cys Phe Thr Ala His Ser Val Thr Glu Leu Val Ala Leu
 50 55 60

Gly Thr Gly Gly His Pro His Thr Leu Met Pro Thr Ala Glu Gly Arg
 65 70 75 80

Ala Thr His Pro Ser Arg Asp
 85

<210> 842
 <211> 77
 <212> PRT
 <213> Homo sapiens

<400> 842
 Phe Val Leu Leu His Cys Leu Asn Ser His Leu His Leu Ala Leu Gln
 1 5 10 15

Phe Pro Leu Asn Thr Leu Ser Ser Pro Leu Val Cys Cys Gln Ser Ala

20 25 30
 Ala Leu Pro Ile Lys Ala Cys Ile Asn Tyr Ile Cys Pro Met Phe Thr
 35 40 45
 Phe Ile Lys His Phe Pro Cys Thr Pro Val Pro Thr Ser Gln Gln Thr
 50 55 60
 Arg Glu Arg Ala Val Gln Leu Met Ser Leu Pro Ser Phe
 65 70 75

<210> 843
 <211> 41
 <212> PRT
 <213> Homo sapiens

<400> 843
 Met Ala Phe Pro Arg Val Gly Ala Phe Leu Phe Leu Ala Ser Leu Ser
 1 5 10 15
 Ser Leu Leu His Cys Arg Leu Leu Ala Glu Ala Val Ser Gly Arg Ser
 20 25 30
 Val Ser Leu Ala Pro Ser Ile Ile Arg
 35 40

<210> 844
 <211> 164
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (3)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (95)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 844
 Arg Met Xaa Cys Ser Gln Pro Pro Arg Cys His Phe Gln Ser Asp Phe
 1 5 10 15
 Gln Lys Cys Ala Pro Cys Pro Arg Ala Gln Thr His Trp Leu Glu Pro
 20 25 30
 Pro Gly Arg Val Gln Thr Ile Ser Ser Met Arg Asn Ala Gln Lys Gly
 35 40 45
 Phe Ala Asp Ser Ile Arg Leu Trp Arg Leu Pro Ala Ser Gly Val Gly
 50 55 60

Trp Val Val Ser Pro Pro Ile Gln Thr Gln Glu Val Ala Pro Glu Gly
 65 70 75 80
 Met Tyr Leu Val Gly Ser Ser Ser Gly Thr Leu Gly Gly Cys Xaa Ala
 85 90 95
 Leu Thr Gln Tyr Phe Ser Leu Ser Pro Leu Trp Gly Ala Cys Val Arg
 100 105 110
 Ala Arg Val Leu Ala Tyr Ala Phe Leu Cys Gly His Ile Arg Met Pro
 115 120 125
 Leu Gly Glu His Val His Val Ser Pro Pro Glu Arg Ala Cys Val Cys
 130 135 140
 Ala Pro Leu Arg Pro Arg Phe Gly Arg Leu Gly Phe Gly Val Pro Val
 145 150 155 160
 Phe Cys Pro Pro

<210> 845
 <211> 80
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (25)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 845
 Met Gly Thr Ser Thr Ala Trp Arg Val Pro Trp Arg Arg Trp Ala Arg
 1 5 10 15
 Val Arg Cys Trp Trp Leu Trp Pro Xaa Thr Gly Thr Ala Glu Pro Pro
 20 25 30
 Gly Thr Ala Gly Trp Gln Gly Leu Ala Gly Gly Arg Cys Arg Glu Ala
 35 40 45
 Trp Gly Ser Leu Leu Met Gly Met Phe Gly Leu Cys Phe Leu Pro Val
 50 55 60
 His Ser Gln Ser Cys Leu Ser Ser Ser Ser Ser Pro Thr Pro Arg Pro
 65 70 75 80

<210> 846
 <211> 53

<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 846
Ile Gly Pro Xaa Gly Pro Arg Asn Ser Xaa Thr Gly Gly Ala Phe Leu
1 5 10 15
Asp Phe Ser Ala Gln Ala Lys Lys Lys Lys Xaa Gln Phe Leu Lys Ile
20 25 30
Phe Phe Pro Gly Leu Cys Lys Ser Leu Ile Tyr Gly Ile Phe Val Met
35 40 45
Gln Arg Asn Thr Leu
50

<210> 847
<211> 50
<212> PRT
<213> Homo sapiens

<400> 847
Met Glu Glu Val Ala Phe Met Val Leu Lys Tyr Val Leu Pro Phe Leu
1 5 10 15
Lys Ser Leu Trp Leu His Val Tyr Leu Leu Ala Val Leu Trp Pro Arg
20 25 30
Leu Ala Ser Met Ile Ser Phe Gly Ser Arg Leu Phe Gln Ile Val Asp
35 40 45
Gly Ala
50

<210> 848
<211> 86
<212> PRT
<213> Homo sapiens

<220>
 <221> SITE
 <222> (3)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (5)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (6)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 848
 Lys Lys Xaa Pro Xaa Xaa Leu Ser Gly Ser Lys Ala Ile Ala Ser Lys
 1 5 10 15
 Thr Lys Glu Ile Glu Gln Val Tyr Arg Gln Asp Cys Glu Thr Phe Gly
 20 25 30
 Met Val Val Lys Met Leu Ile Glu Lys Asp Pro Ser Leu Glu Lys Ser
 35 40 45
 Ile Gln Phe Ala Leu Arg Gln Asn Leu His Glu Ile Gly Glu Arg Cys
 50 55 60
 Val Glu Glu Leu Lys His Phe Ile Ala Glu Tyr Asp Thr Ser Thr Gln
 65 70 75 80
 Asp Phe Gly Glu Pro Phe
 85

<210> 849
 <211> 129
 <212> PRT
 <213> Homo sapiens

<400> 849
 Arg Lys Val Glu Gly Gly Ala Ser Gly Leu Asn Gly Phe Pro Asn His
 1 5 10 15
 Pro Ser Ser Leu Gly Pro Ala Trp Phe Pro Pro Leu Pro Leu Pro Ser
 20 25 30
 Thr Leu Ser Arg Thr Gly Leu Met Lys Ala Leu Pro Lys Ile Ser Pro
 35 40 45
 Thr Pro Asn Phe Pro Leu Pro Pro Thr Phe Pro Thr Ser Ser Thr Thr
 50 55 60
 Leu Phe Gly Ala Thr Ala Gly Pro Glu Ala Gln Ser Ala Val Ser Gln
 65 70 75 80

Ala Phe Val His Leu Ser Pro Gln Ser Ile Ser Val Leu Gly Glu Ser
85 90 95

His Thr Glu Thr Gln Glu His Pro Leu Pro Glu Leu Arg Glu Val Leu
100 105 110

Ser Leu Arg Gly Gly Leu Ser Ala Val Cys Asn Asn Val Val Leu Phe
115 120 125

Ile

<210> 850
<211> 48
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 850
Met Val Gln Arg Leu Trp Val Ser Arg Leu Leu Arg His Arg Lys Ala
1 5 10 15

Gln Leu Leu Leu Val Asn Leu Leu Thr Phe Gly Leu Glu Val Cys Leu
20 25 30

Ala Ala Gly Phe Thr Tyr Val Pro Leu Cys Cys Gly Xaa Xaa Val Xaa
35 40 45

<210> 851
<211> 12
<212> PRT
<213> Homo sapiens

<400> 851
Ile Leu Gln Arg Arg Lys Gln Arg Leu Leu Arg Gly

1

5

10

<210> 852

<211> 371

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (20)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 852

Met Leu Phe Pro Ser Phe Ser Arg Ser Leu Val Pro Leu Pro His Ala
 1 5 10 15

Leu Tyr Leu Xaa Gln Pro Leu Thr His Thr Thr Ser Leu Leu Ala Gly
 20 25 30

Ile Gly Pro Val Leu Gly Leu Val Cys Val Pro Leu Leu Gly Ser Ala
 35 40 45

Ser Asp His Trp Arg Gly Arg Tyr Gly Arg Arg Arg Pro Phe Ile Trp
 50 55 60

Ala Leu Ser Leu Gly Ile Leu Leu Ser Leu Phe Leu Ile Pro Arg Ala
 65 70 75 80

Gly Trp Leu Ala Gly Leu Leu Cys Pro Asp Pro Arg Pro Leu Glu Leu
 85 90 95

Ala Leu Leu Ile Leu Gly Val Gly Leu Leu Asp Phe Cys Gly Gln Val
 100 105 110

Cys Phe Thr Pro Leu Glu Ala Leu Leu Ser Asp Leu Phe Arg Asp Pro
 115 120 125

Asp His Cys Arg Gln Ala Tyr Ser Val Tyr Ala Phe Met Ile Ser Leu
 130 135 140

Gly Gly Cys Leu Gly Tyr Leu Leu Pro Ala Ile Asp Trp Asp Thr Ser
 145 150 155 160

Ala Leu Ala Pro Tyr Leu Gly Thr Gln Glu Glu Cys Leu Phe Gly Leu
 165 170 175

Leu Thr Leu Ile Phe Leu Thr Cys Val Ala Ala Thr Leu Leu Val Ala
 180 185 190

Glu Glu Ala Ala Leu Gly Pro Thr Glu Pro Ala Glu Gly Leu Ser Ala
 195 200 205

Pro Ser Leu Ser Pro His Cys Cys Pro Cys Arg Ala Arg Leu Ala Phe
 210 215 220

Arg Asn Leu Gly Ala Leu Leu Pro Arg Leu His Gln Leu Cys Cys Arg
 225 230 235 240
 Met Pro Arg Thr Leu Arg Arg Leu Phe Val Ala Glu Leu Cys Ser Trp
 245 250 255
 Met Ala Leu Met Thr Phe Thr Leu Phe Tyr Thr Asp Phe Val Gly Glu
 260 265 270
 Gly Leu Tyr Gln Gly Val Pro Arg Ala Glu Pro Gly Thr Glu Ala Arg
 275 280 285
 Arg His Tyr Asp Glu Gly Lys Ala Leu Ala Ala Ser Arg Gly Trp Cys
 290 295 300
 Gly Ser Arg Pro Pro Glu Thr Thr Leu Gly Ala Val Ser Gly Leu Val
 305 310 315 320
 Pro Leu His Pro Gly Pro Asp Phe Ser Val Arg Lys Val Gly Met Asp
 325 330 335
 Pro Ile Cys Ile His Gly Phe Ser Trp Val Trp Asn Ile Ser Ala Cys
 340 345 350
 Gly Phe Arg Lys Ala Ser Gly Cys Ser Arg Ser Leu Ile Arg Val Val
 355 360 365
 Ala Pro Val
 370

<210> 853
 <211> 75
 <212> PRT
 <213> Homo sapiens

<400> 853
 Met Gly Pro Leu Trp Gly Ala Pro Leu Arg Ala Trp Ala Ala Gly Ser
 1 5 10 15
 Val Gly Cys Pro Cys Cys Leu Ser Cys Ala Ser Pro Ser Ser Ile Ser
 20 25 30
 Ser Ala Gly Asp Pro Leu Ala Ser Cys Ser Thr Cys Gly Ser Thr Trp
 35 40 45
 Glu Ile Pro Leu Thr Trp Met Thr Met Asp His Leu Leu Val Arg Tyr
 50 55 60
 Tyr Leu Ser Gln Ala Arg Trp Cys Thr Thr Gly
 65 70 75

<210> 854
 <211> 57

<212> PRT
<213> Homo sapiens

<400> 854
Ile Ser Tyr His His Val Lys Ala Ser His Leu Lys Ile Lys Ile Gln
1 5 10 15
Ile Ser Leu Lys Pro Glu Val Leu Val Pro Leu His Cys Leu Pro Leu
20 25 30
Ser Pro Thr Pro Arg Glu Glu Ser Gly Gly Phe Leu Phe Ser Ile Ala
35 40 45
Ile Ala Ala Val Gly Phe Leu Val Gln
50 55

<210> 855
<211> 10
<212> PRT
<213> Homo sapiens

<400> 855
Trp Ala Ser Met Ser Ser Val Phe Gly Leu
1 5 10

<210> 856
<211> 5
<212> PRT
<213> Homo sapiens

<400> 856
Ser Phe Ala Thr Cys
1 5

<210> 857
<211> 73
<212> PRT
<213> Homo sapiens

<400> 857
Met Trp Leu Pro Ala Trp Ala Ala Ile Glu Thr Phe Ser Thr Cys Ser
1 5 10 15
Ser Leu Ser Leu Ser Phe Gln Pro Arg Trp Ala Leu Ala Ser Glu Gly
20 25 30
Cys Ala Gly Ser Tyr Val Thr Thr His Arg Ala Leu Gly Ala His Leu
35 40 45
Trp Pro Leu Trp Ser Asp Gln Phe Leu Gly Lys Gly Leu Gly Leu Arg
50 55 60

Ile Pro Phe Ile Thr His Ala His Gln
65 70

<210> 858
<211> 36
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 858
Met Ala Gly Glu Glu Met Ala Trp Gly Ala Arg Leu Trp Ile Met Cys
1 5 10 15

Xaa Leu Leu Phe Leu Ala Ala Ser Glu Gly Ile Met Pro Arg Leu Arg
20 25 30

Ala Ser Ala Trp
35

<210> 859
<211> 352
<212> PRT
<213> Homo sapiens

<400> 859
Val Ser Leu Leu Leu Trp Gly Ile Ser Ile Arg Gly Ala Asp Ala Cys
1 5 10 15

Ala Asp Ala His Leu Phe Cys Lys Glu Cys Leu Ile Arg Tyr Ala Gln
20 25 30

Glu Ala Val Phe Gly Ser Gly Lys Leu Glu Leu Ser Cys Met Glu Gly
35 40 45

Ser Cys Thr Cys Ser Phe Pro Thr Ser Glu Leu Glu Lys Val Leu Pro
50 55 60

Gln Thr Ile Leu Tyr Lys Tyr Tyr Glu Arg Lys Ala Glu Glu Glu Val
65 70 75 80

Ala Ala Ala Tyr Ala Asp Glu Leu Val Arg Cys Pro Ser Cys Ser Phe
85 90 95

Pro Ala Leu Leu Asp Ser Asp Val Lys Arg Phe Ser Cys Pro Asn Pro
100 105 110

His Cys Arg Lys Glu Thr Cys Arg Lys Cys Gln Gly Leu Trp Lys Glu
115 120 125

His Asn Gly Leu Thr Cys Glu Glu Leu Ala Glu Lys Asp Asp Ile Lys
 130 135 140
 Tyr Arg Thr Ser Ile Glu Glu Lys Met Thr Ala Ala Arg Ile Arg Lys
 145 150 155 160
 Cys His Lys Cys Gly Thr Gly Leu Ile Lys Ser Glu Gly Cys Asn Arg
 165 170 175
 Met Ser Cys Arg Cys Gly Ala Gln Met Cys Tyr Leu Cys Arg Val Ser
 180 185 190
 Ile Asn Gly Tyr Asp His Phe Cys Gln His Pro Arg Ser Pro Gly Ala
 195 200 205
 Pro Cys Gln Glu Cys Ser Arg Cys Ser Leu Trp Thr Asp Pro Thr Glu
 210 215 220
 Asp Asp Glu Lys Leu Ile Glu Glu Ile Gln Lys Glu Ala Glu Glu Glu
 225 230 235 240
 Gln Lys Arg Lys Asn Gly Glu Asn Thr Phe Lys Arg Ile Gly Pro Pro
 245 250 255
 Leu Glu Lys Pro Val Glu Lys Val Gln Arg Val Glu Ala Leu Pro Arg
 260 265 270
 Pro Val Pro Gln Asn Leu Pro Gln Pro Gln Met Pro Pro Tyr Ala Phe
 275 280 285
 Ala His Pro Pro Phe Pro Leu Pro Pro Val Arg Pro Val Phe Asn Asn
 290 295 300
 Phe Pro Leu Asn Met Gly Pro Ile Pro Ala Pro Tyr Val Pro Pro Leu
 305 310 315 320
 Pro Asn Val Arg Val Asn Tyr Asp Phe Gly Pro Ile His Met Pro Leu
 325 330 335
 Glu His Asn Leu Pro Met His Phe Gly Pro Gln Pro Arg His Arg Phe
 340 345 350

<210> 860
 <211> 63
 <212> PRT
 <213> Homo sapiens

<400> 860
 Met Ile Thr Phe Leu Pro Ile Ile Phe Ser Ile Leu Val Val Val Thr
 1 5 10 15

Phe Val Ile Gly Asn Phe Ala Asn Gly Phe Ile Ala Leu Val Asn Ser
20 25 30

Thr Glu Trp Val Lys Arg Gln Lys Ile Ser Phe Ala Asp Gln Ile Val
35 40 45

Thr Ala Leu Ala Val Ser Arg Val Gly Leu Leu Trp Val Leu Leu
50 55 60

<210> 861
<211> 8
<212> PRT
<213> Homo sapiens

<400> 861
Leu Thr Met Leu Phe Asn Val Ile
1 5

<210> 862
<211> 7
<212> PRT
<213> Homo sapiens

<400> 862
Thr Tyr Ile His Phe Leu Asp
1 5

<210> 863
<211> 53
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 863
Thr Glu Glu Phe Lys Tyr Ala Val Ser Cys Asn Cys Gly Thr Ala Ala
1 5 10 15

Trp Val Arg Val Arg Glu Arg Glu Arg Lys Arg Glu Lys Lys Lys Lys
20 25 30

Lys Arg Xaa Ala Ala Leu Glu Asp Pro Ser Arg Gly Pro Ser Leu Arg
35 40 45

Val His Ala Thr Ser
50

<210> 864
<211> 22
<212> PRT
<213> Homo sapiens

<400> 864
Leu Val Leu Phe Ile Thr Leu Leu Pro Gly Lys Leu Ala His Ser Trp
1 5 10 15
His Thr Val Asn Val Gln
20

<210> 865
<211> 2
<212> PRT
<213> Homo sapiens

<400> 865
Gly Cys
1

<210> 866
<211> 40
<212> PRT
<213> Homo sapiens

<400> 866
Met Ile Leu Tyr Ile Cys Leu Leu Leu Lys Ile Trp Gly Cys Ser Leu
1 5 10 15
Pro Cys Asn Phe Ser Phe Pro Leu Asp Leu Arg Lys Val Met Asp Phe
20 25 30
Gln Phe Val Gln His Phe Phe Leu
35 40

<210> 867
<211> 7
<212> PRT
<213> Homo sapiens

<400> 867
Ser Phe Cys Met Gly Thr Met
1 5

<210> 868
<211> 86
<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (25)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 868

Ser Xaa Ile Val Gly Leu Ala Ile Trp Arg Gly Gly Leu Cys Gln Glu
1 5 10 15

Leu Pro Leu Glu Arg Phe Leu Leu Xaa Thr Val Phe Gly Ser Asp Leu
20 25 30

Ser Leu Leu Ser Gly Gly Asp Leu Cys Leu Glu Leu Leu Gly Gly Leu
35 40 45

Cys Leu Glu Val Cys Leu Arg Gly Asp Ile Cys Leu Gly Pro Leu Arg
50 55 60

Val Ser Val Ser Glu Leu Ser Leu Leu Cys Leu Ser Val Gln Gly Gln
65 70 75 80

Gln Lys Val Cys Pro Phe
85

<210> 869

<211> 33

<212> PRT

<213> Homo sapiens

<400> 869

Lys Ile Leu Val Ser Tyr Leu Met Pro Gly Met Met Arg Ile Glu Asn
1 5 10 15

Phe Ser Ile Phe Met Cys Leu Thr Gly Cys Leu Gly Ile Asn Phe Ala
20 25 30

Phe

<210> 870

<211> 288

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (87)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (99)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (230)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (263)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (264)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (270)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (275)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 870
Met Ala Arg Ile Ser Phe Ser Tyr Leu Cys Pro Ala Ser Trp Tyr Phe
1 5 10 15
Thr Val Pro Thr Val Ser Pro Phe Leu Arg Gln Arg Val Ala Phe Leu
20 25 30
Gly Leu Phe Phe Ile Ser Cys Leu Leu Leu Leu Met Leu Ile Ile Asp
35 40 45
Phe Arg His Trp Ser Ala Ser Leu Pro Arg Asp Arg Gln Tyr Glu Arg
50 55 60
Tyr Leu Ala Arg Val Gly Glu Leu Glu Ala Thr Asp Thr Glu Asp Pro
65 70 75 80
Asn Leu Asn Tyr Gly Leu Xaa Val Asp Cys Gly Ser Ser Gly Ser Arg
85 90 95
Ile Phe Xaa Tyr Phe Trp Pro Arg His Asn Gly Asn Pro His Asp Leu
100 105 110
Leu Asp Ile Lys Gln Met Arg Asp Arg Asn Ser Gln Pro Val Val Lys
115 120 125

Lys	Ile	Lys	Pro	Gly	Ile	Ser	Ala	Met	Ala	Asp	Thr	Pro	Glu	His	Ala
130						135					140				
Ser	Asp	Tyr	Leu	Arg	Pro	Leu	Leu	Ser	Phe	Ala	Ala	Ala	His	Val	Pro
145					150					155					160
Val	Lys	Lys	His	Lys	Glu	Thr	Pro	Leu	Tyr	Ile	Leu	Cys	Thr	Ala	Gly
				165					170					175	
Met	Arg	Leu	Leu	Pro	Glu	Arg	Lys	Gln	Leu	Ala	Ile	Leu	Ala	Asp	Leu
		180						185					190		
Val	Lys	Asp	Leu	Pro	Leu	Glu	Phe	Asp	Phe	Leu	Phe	Ser	Gln	Ser	Gln
	195							200				205			
Ala	Glu	Val	Ile	Ser	Gly	Lys	Gln	Glu	Gly	Val	Tyr	Ala	Trp	Ile	Gly
210						215					220				
Ile	Asn	Phe	Val	Leu	Xaa	Arg	Phe	Asp	His	Glu	Asp	Glu	Ser	Asp	Ala
225					230					235					240
Glu	Ala	Thr	Gln	Glu	Leu	Ala	Ala	Gly	Arg	Arg	Arg	Thr	Val	Gly	Ile
			245						250					255	
Leu	Asp	Met	Gly	Gly	Ala	Xaa	Xaa	Gln	Ile	Ala	Tyr	Glu	Xaa	Pro	Thr
			260					265					270		
Phe	Pro	Xaa	Lys	Lys	Thr	Pro	Pro	Leu	Phe	Pro	Leu	Leu	Gly	Gly	Ile
		275						280					285		

<210> 871
 <211> 107
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (66)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 871

Pro	Leu	Gly	Arg	Glu	Pro	Leu	Ala	Gly	Phe	Leu	Ser	Phe	Leu	Ser	Phe
1					5				10				15		
Ser	Leu	Leu	Trp	Cys	Leu	Glu	Ala	Phe	Pro	Arg	Leu	Gln	Phe	Leu	Thr
			20					25				30			
Thr	Leu	Thr	Asp	Phe	Ala	Ile	Val	Leu	Ser	Pro	Pro	Leu	Ser	Phe	Pro
		35					40					45			
Lys	Leu	Thr	Leu	Trp	Arg	Leu	Ile	Lys	Arg	Lys	Asn	His	Arg	Pro	Gly

50		55		60
Ala Xaa Leu Thr Pro Arg Arg Arg Ala Asn His Leu Arg Cys Gly Val				
65		70		80
Arg Asp Gln Pro Asp Gln Asn Arg Glu Thr Pro Ser Leu Leu Asn Asn				
	85		90	95
Thr Lys Leu Ala Gly Arg Gly Gly Ala Arg Leu				
	100		105	

<210> 872
 <211> 64
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (7)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (27)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 872
Ser Trp Val Ile Val Val Xaa Ile Trp Gly Tyr Leu Leu Glu Gly His
1 5 10 15
Gly Val Pro Phe Cys Lys Ser Tyr Gly Pro Xaa Pro Trp Lys Leu His
20 25 30
Thr His His Ala Ala Tyr Asn Ser Gly Ser Ser Gln Val Tyr Arg Ile
35 40 45
Leu Gly Asn Ser Pro Cys Pro Val Leu Ile His Cys Ser Phe Ser Gly
50 55 60

<210> 873
 <211> 14
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (9)
 <223> Xaa equals any of the naturally occurring L-amino acids
 <220>

<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 873
Trp Lys Gly Leu Leu Glu Gly Ser Xaa Glu Ala Thr Met Xaa
1 5 10

<210> 874
<211> 66
<212> PRT
<213> Homo sapiens

<400> 874
Met Ser Trp Val Ile Val Val Ile Ile Trp Gly Tyr Leu Leu Glu Gly
1 5 10 15
His Gly Val Pro Phe Cys Lys Ser Tyr Gly Pro Ser Pro Trp Lys Leu
20 25 30
His Thr His His Ala Ala Tyr Asn Ser Gly Ser Ser Gln Val Tyr Arg
35 40 45
Ile Leu Glu Thr Leu Met Ser Gly Ser Thr His Cys Ser Phe Ser Gly
50 55 60
Thr Phe
65

<210> 875
<211> 90
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (57)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 875
Met Pro Arg Ala Pro Trp Arg Ile Pro Leu Cys Ala Leu Pro Thr Leu
1 5 10 15
Cys Leu Gly Ser Pro Leu Pro Ser Gln Pro Thr His Pro Ile Xaa Tyr
20 25 30
Asp His Arg Ala Pro Thr Trp Lys Met Ala His Pro Gly Gly Pro Arg
35 40 45

Ser Ser His Ser Pro Arg Thr Trp Xaa Thr Pro Ser Ser Gln Thr Lys
50 55 60

Ala Ala Leu Pro Ala Gly Gly Ala Arg Asn Ser Pro Leu Gln Leu Cys
65 70 75 80

Thr Arg Ser Arg Phe Cys Gly Thr Pro Met
85 90

<210> 876
<211> 127
<212> PRT
<213> Homo sapiens

<400> 876
Met Pro Arg Ala Pro Trp Arg Ile Pro Leu Cys Ala Leu Pro Thr Leu
1 5 10 15

Cys Leu Gly Ser Pro Leu Pro Ser Gln Pro Thr His Pro Ile Phe Tyr
20 25 30

Asp His Arg Ala Pro Thr Trp Lys Met Ala His Pro Gly Gly Pro Arg
35 40 45

Ser Ser His Ser Pro Arg Gly Pro Gly Gly His Pro Ala Leu Arg Gln
50 55 60

Arg Leu Pro Cys Arg Arg Gly Glu Pro Glu Thr Ala Leu Cys Ser Ser
65 70 75 80

Ala Pro Gly Ala Gly Phe Ala Glu Pro Pro Cys Lys Ala Ser Pro Gly
85 90 95

Trp Gly Pro Pro Ser Arg Gly Pro Gln Gly Asp Arg Ser Gln Gly Glu
100 105 110

Trp Leu Pro Ala Leu Gly Thr Pro Cys Gly Gly Pro Asp Asp Ser
115 120 125

<210> 877
<211> 66
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 877
Met Ala Gly Gln Phe Arg Ser Tyr Val Trp Asp Pro Leu Leu Ile Leu
1 5 10 15

Ser Gln Ile Val Leu Met Gln Thr Val Tyr Tyr Gly Ser Leu Gly Leu
20 25 30

Trp Leu Ala Leu Val Asp Gly Leu Val Arg Xaa Ala Pro Arg Trp Thr
35 40 45

Arg Cys Ser Thr Pro Arg Ser Trp Ala Phe Pro Pro Leu Gln Ala Gly
50 55 60

Ser Pro
65

<210> 878
<211> 124
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 878
Thr Gln Ile Pro Thr His Ile Ser Arg Tyr Thr Pro Leu His Ser Ser
1 5 10 15

Leu Gly Asn Arg Ala Arg Leu Arg Leu Lys Lys Xaa Lys Ile Lys Tyr
20 25 30

Ala Tyr Leu Cys Pro Pro Ser Leu Lys Gln Leu Leu Asn Tyr Ala Val
35 40 45

Ile Asn Gly Leu Ser Ser Ala Asn Tyr Phe Cys Leu Tyr Thr Lys Val
50 55 60

Pro Gln Ala Met Leu Leu Leu Ala Ser Gly Leu Ser Ser Ala Phe Pro
65 70 75 80

Tyr Asp Ser Leu Gly Phe Thr Leu Ser Met Leu Leu Phe Phe Glu Arg
85 90 95

Asn Lys Ser Arg Val Glu Val Leu Ala Lys Glu Pro Ser Ala Pro Ser
100 105 110

Ser Tyr Trp Asp Ser Glu Asn Arg Gly Cys Gln Leu
115 120

<210> 879
<211> 39
<212> PRT
<213> Homo sapiens

<400> 879

Met Ala Gly Gln Phe Arg Ser Tyr Val Trp Asp Pro Leu Leu Ile Leu
1 5 10 15

Ser Gln Ser Ser Ser Cys Arg Pro Cys Ile Thr Ala Arg Trp Ala Cys
20 25 30

Gly Trp Arg Trp Trp Thr Gly
35

<210> 880

<211> 67

<212> PRT

<213> Homo sapiens

<400> 880

Met Ser Leu Cys Arg Ile Leu Gly Tyr Ser Phe Ser Ser Arg Leu Ser
1 5 10 15

Ser Leu Ile Leu Pro Leu Ala Val Phe His Tyr Cys Leu Ser Cys Pro
20 25 30

Leu His Phe Lys Leu Ser Phe Lys Tyr Leu Pro Phe Pro Ser Phe Pro
35 40 45

Phe Ser Ser Leu Pro Cys Pro Ala Leu Pro Cys Pro Ala Leu Pro Ser
50 55 60

Pro Pro Leu
65

<210> 881

<211> 86

<212> PRT

<213> Homo sapiens

<400> 881

Met Ser Leu Cys Arg Ile Leu Gly Tyr Ser Phe Ser Ser Arg Leu Ser
1 5 10 15

Ser Leu Ile Leu Pro Leu Ala Val Phe His Tyr Cys Leu Ser Cys Pro
20 25 30

Leu His Phe Lys Leu Ser Phe Lys Tyr Leu Pro Phe Pro Ser Phe Pro
35 40 45

Phe Ser Ser Leu Pro Cys Pro Ala Leu Pro Cys Pro Ala Leu Pro Ser
50 55 60

Pro Pro Leu Pro Cys Pro Pro Leu Pro Ser Pro Pro Leu Pro Leu Pro
65 70 75 80

Ser Leu Ser Phe Phe Arg

<210> 882
 <211> 55
 <212> PRT
 <213> Homo sapiens

<400> 882
 Met Cys Val Gly Leu Phe Leu Ser Ser Val Phe Phe His Ile Cys Val
 1 5 10 15
 His Pro Phe Ala Asn Ala Thr Leu Ser Cys Leu Leu Glu Ile Gly Lys
 20 25 30
 Leu Cys Glu Ser Phe Asn Phe Val Leu Phe Gln Ile Val Leu Ala Ile
 35 40 45
 Leu Val Pro Leu Thr Phe Ile
 50 55

<210> 883
 <211> 73
 <212> PRT
 <213> Homo sapiens

<400> 883
 Thr Leu Phe Val Ser Tyr Gln Leu Ser Asn Pro Gln Tyr Ser Ser Phe
 1 5 10 15
 Ile Ser Gln Asn Arg Lys Leu Lys Gln Arg Glu Glu Lys Leu His Glu
 20 25 30
 Arg Phe Tyr Thr Ala Val Arg Ser Leu Asn Trp Ile Leu Asn Leu Ala
 35 40 45
 Phe Trp Leu Glu Ser Pro Ser Phe Tyr Gln Leu Cys Ile Ala Val Arg
 50 55 60
 Val Asp Ser Pro Trp Lys Gly Lys Ser
 65 70

<210> 884
 <211> 48
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (15)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (29)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 884
 Met Lys Pro Pro Pro Leu Phe Phe Phe Leu Lys Ile Val Leu Xaa Ile
 1 5 10 15

 Trp Gly Pro Leu Trp Phe His Met Asn Phe Arg Phe Xaa Phe Ser Ile
 20 25 30

 Ser Met Lys Asn Ala Ile Gly Ile Leu Ile Gly Ile Ala Leu Asn Leu
 35 40 45

<210> 885
 <211> 48
 <212> PRT
 <213> Homo sapiens

 <400> 885
 Met Lys Pro Pro Pro Leu Phe Phe Phe Leu Lys Ile Val Leu Ala Ile
 1 5 10 15

 Trp Gly Pro Leu Trp Phe His Met Asn Phe Arg Phe Val Phe Ser Ile
 20 25 30

 Ser Met Lys Asn Ala Ile Gly Ile Leu Ile Gly Ile Ala Leu Asn Leu
 35 40 45

<210> 886
 <211> 214
 <212> PRT
 <213> Homo sapiens

 <220>
 <221> SITE
 <222> (199)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (206)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE

<222> (214)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 886

Met Leu Gly Ala Arg Ala Trp Leu Gly Arg Val Leu Leu Leu Pro Arg
1 5 10 15

Ala Gly Ala Gly Leu Ala Ala Ser Arg Arg Cys Pro Gly Val Trp Pro
20 25 30

Arg Thr Trp Pro His Arg Ser Pro Ser Arg Gly Ser Ser Ser Arg Asp
35 40 45

Lys Asp Arg Ser Ala Thr Val Ser Ser Ser Val Pro Met Pro Ala Gly
50 55 60

Gly Lys Gly Ser His Pro Ser Ser Thr Pro Gln Arg Val Pro Asn Arg
65 70 75 80

Leu Ile His Glu Lys Ser Pro Tyr Leu Leu Gln His Ala Tyr Asn Pro
85 90 95

Val Asp Trp Tyr Pro Trp Gly Gln Glu Ala Phe Asp Lys Ala Arg Lys
100 105 110

Glu Asn Lys Pro Ile Phe Leu Ser Val Gly Tyr Ser Thr Cys His Trp
115 120 125

Cys His Met Met Glu Glu Glu Ser Phe Gln Asn Glu Glu Ile Gly Arg
130 135 140

Leu Leu Ser Glu Asp Phe Val Ser Val Lys Val Asp Arg Glu Glu Arg
145 150 155 160

Pro Asp Val Asp Lys Val Tyr Met Thr Phe Val Gln Ala Thr Ser Ser
165 170 175

Gly Gly Gly Trp Pro Met Asn Val Trp Leu Thr Pro Asn Leu Gln Pro
180 185 190

Phe Val Gly Gly Thr Ile Xaa Leu Leu Lys Asp Gly Leu Xaa Arg Val
195 200 205

Gly Ser Ala Gln Cys Xaa
210

<210> 887

<211> 43

<212> PRT

<213> Homo sapiens

<400> 887

Met Leu Gly Ala Arg Ala Trp Leu Gly Arg Val Leu Leu Leu Pro Arg
1 5 10 15

Ala Gly Ala Gly Leu Ala Ala Ser Arg Arg Ser Ala Cys Ser Pro Thr
20 25 30

Ser Arg Leu Asn Ser Leu Arg Ser Leu Ile Pro
35 40

<210> 888

<211> 802

<212> PRT

<213> Homo sapiens

<400> 888

Met Leu Gly Ala Arg Ala Trp Leu Gly Arg Val Leu Leu Leu Pro Arg
1 5 10 15

Ala Gly Ala Gly Leu Ala Ala Ser Arg Arg Cys Pro Gly Val Trp Pro
20 25 30

Arg Thr Trp Pro His Arg Ser Pro Ser Arg Gly Ser Ser Ser Arg Asp
35 40 45

Lys Asp Arg Ser Ala Thr Val Ser Ser Ser Val Pro Met Pro Ala Gly
50 55 60

Gly Lys Gly Ser His Pro Ser Ser Thr Pro Gln Arg Val Pro Asn Arg
65 70 75 80

Leu Ile His Glu Lys Ser Pro Tyr Leu Leu Gln His Ala Tyr Asn Pro
85 90 95

Val Asp Trp Tyr Pro Trp Gly Gln Glu Ala Phe Asp Lys Ala Arg Lys
100 105 110

Glu Asn Lys Pro Ile Phe Leu Ser Val Gly Tyr Ser Thr Cys His Trp
115 120 125

Cys His Met Met Glu Glu Glu Ser Phe Gln Asn Glu Glu Ile Gly Arg
130 135 140

Leu Leu Ser Glu Asp Phe Val Ser Val Lys Val Asp Arg Glu Glu Arg
145 150 155 160

Pro Asp Val Asp Lys Val Tyr Met Thr Phe Val Gln Ala Thr Ser Ser
165 170 175

Gly Gly Gly Trp Pro Met Asn Val Trp Leu Thr Pro Asn Leu Gln Pro
180 185 190

Phe Val Gly Gly Thr Tyr Phe Pro Pro Glu Asp Gly Leu Thr Arg Val
195 200 205

Gly Phe Arg Thr Val Leu Leu Arg Ile Arg Glu Gln Trp Lys Gln Asn
210 215 220

Lys Asn Thr Leu Leu Glu Asn Ser Gln Arg Val Thr Thr Ala Leu Leu

225		230		235		240
Ala Arg Ser Glu Ile Ser Val Gly Asp Arg Gln Leu Pro Pro Ser Ala						
	245			250		255
Ala Thr Val Asn Asn Arg Cys Phe Gln Gln Leu Asp Glu Gly Tyr Asp						
	260			265		270
Glu Glu Tyr Gly Gly Phe Ala Glu Ala Pro Lys Phe Pro Thr Pro Val						
	275			280		285
Ile Leu Ser Phe Leu Phe Ser Tyr Trp Leu Ser His Arg Leu Thr Gln						
	290			295		300
Asp Gly Ser Arg Ala Gln Gln Met Ala Leu His Thr Leu Lys Met Met						
	305			310		315
Ala Asn Gly Gly Ile Arg Asp His Val Gly Gln Gly Phe His Arg Tyr						
	325			330		335
Ser Thr Asp Arg Gln Trp His Val Pro His Phe Glu Lys Met Leu Tyr						
	340			345		350
Asp Gln Ala Gln Leu Ala Val Ala Tyr Ser Gln Ala Phe Gln Leu Ser						
	355			360		365
Gly Asp Glu Phe Tyr Ser Asp Val Ala Lys Gly Ile Leu Gln Tyr Val						
	370			375		380
Ala Arg Ser Leu Ser His Arg Ser Gly Gly Phe Tyr Ser Ala Glu Asp						
	385			390		395
Ala Asp Ser Pro Pro Glu Arg Gly Gln Arg Pro Lys Glu Gly Ala Tyr						
	405			410		415
Tyr Val Trp Thr Val Lys Glu Val Gln Gln Leu Leu Pro Glu Pro Val						
	420			425		430
Leu Gly Ala Thr Glu Pro Leu Thr Ser Gly Gln Leu Leu Met Lys His						
	435			440		445
Tyr Gly Leu Thr Glu Ala Gly Asn Ile Ser Pro Ser Gln Asp Pro Lys						
	450			455		460
Gly Glu Leu Gln Gly Gln Asn Val Leu Thr Val Arg Tyr Ser Leu Glu						
	465			470		475
Leu Thr Ala Ala Arg Phe Gly Leu Asp Val Glu Ala Val Arg Thr Leu						
	485			490		495
Leu Asn Ser Gly Leu Glu Lys Leu Phe Gln Ala Arg Lys His Arg Pro						
	500			505		510
Lys Pro His Leu Asp Ser Lys Met Leu Ala Ala Trp Asn Gly Leu Met						
	515			520		525
Val Ser Gly Tyr Ala Val Thr Gly Ala Val Leu Gly Gln Asp Arg Leu						

530	535	540
Ile Asn Tyr Ala Thr	Asn Gly Ala Lys Phe	Leu Lys Arg His Met Phe
545	550	555 560
Asp Val Ala Ser	Gly Arg Leu Met Arg Thr	Cys Tyr Thr Gly Pro Gly
	565	570 575
Gly Thr Val Glu His Ser	Asn Pro Pro Cys Trp Gly	Phe Leu Glu Asp
	580 585	590
Tyr Ala Phe Val Val Arg	Gly Leu Leu Asp Leu Tyr	Glu Ala Ser Gln
	595 600	605
Glu Ser Ala Trp Leu Glu	Trp Ala Leu Arg Leu Gln	Asp Thr Gln Asp
	610 615	620
Arg Leu Phe Trp Asp Ser	Gln Gly Gly Gly Tyr Phe	Cys Ser Glu Ala
625	630 635	640
Glu Leu Gly Ala Gly Leu	Pro Leu Arg Leu Lys Asp	Asp Gln Asp Gly
	645 650	655
Ala Glu Pro Ser Ala Asn	Ser Val Ser Ala His Asn	Leu Leu Arg Leu
	660 665	670
His Gly Phe Thr Gly His	Lys Asp Trp Met Asp Lys	Cys Val Cys Leu
	675 680	685
Leu Thr Ala Phe Ser Glu	Arg Met Arg Arg Val Pro	Val Ala Leu Pro
	690 695	700
Glu Met Val Arg Ala Leu	Ser Ala Gln Gln Gln Thr	Leu Lys Gln Ile
705	710 715	720
Val Ile Cys Gly Asp Arg	Gln Ala Lys Asp Thr Lys	Ala Leu Val Gln
	725 730	735
Cys Val His Ser Val Tyr	Ile Pro Asn Lys Val Leu	Ile Leu Ala Asp
	740 745	750
Gly Asp Pro Ser Ser Phe	Leu Ser Arg Gln Leu Pro	Phe Leu Ser Thr
	755 760	765
Leu Arg Arg Leu Glu Asp	Gln Ala Thr Ala Tyr Val	Cys Glu Asn Gln
	770 775	780
Ala Cys Ser Val Pro Ile	Thr Asp Pro Cys Glu Leu	Arg Lys Leu Leu
785	790 795	800
His Pro		

<210> 889

<211> 98

<212> PRT

<213> Homo sapiens

<400> 889

Met His Cys Cys Gln Leu Pro Trp Arg Cys Ala Gln Ala Pro Gln Glu
1 5 10 15

Ala Phe Leu Leu Cys Leu Leu Phe Leu Ile Leu Val Leu Val Leu Leu
20 25 30

Gly Cys Ser Arg Gly Leu Pro Gly His Thr Pro Trp Arg Leu His Pro
35 40 45

Ala Ala Ala Ala Leu Leu Ala Pro Leu Leu His Asp Ala Leu Gly Ala
50 55 60

Cys Gly Phe Gln Gly Pro Glu Tyr Leu Leu Pro Cys Leu Leu Pro Leu
65 70 75 80

Pro Lys Pro Gly Gln Leu Gln Gly Pro Trp Gly Pro Leu Trp Ala Leu
85 90 95

Leu Pro

<210> 890

<211> 25

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (9)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 890

Cys Ala Val Arg Phe Arg Glu Gln Xaa Ala Pro Glu Arg Val Phe Leu
1 5 10 15

Pro Thr Arg Gly Arg Lys Ser Glu Pro
20 25

<210> 891

<211> 22

<212> PRT

<213> Homo sapiens

<400> 891

Leu Pro Arg Pro Cys Ala Pro Ser Pro Val Trp Arg Gln Val Gly Arg
1 5 10 15

Glu Glu Ala Ser Leu Leu
20

<210> 892
<211> 98
<212> PRT
<213> Homo sapiens

<400> 892

Met His Cys Cys Gln Leu Pro Trp Arg Cys Ala Gln Ala Pro Gln Glu
1 5 10 15
Ala Phe Leu Leu Cys Leu Leu Phe Leu Ile Leu Val Leu Val Leu Leu
20 25 30
Gly Cys Ser Arg Gly Leu Pro Gly His Thr Pro Trp Arg Leu His Pro
35 40 45
Ala Ala Ala Ala Leu Leu Ala Pro Leu Leu His Asp Ala Leu Gly Ala
50 55 60
Cys Gly Phe Gln Gly Pro Glu Tyr Leu Leu Pro Cys Leu Leu Pro Leu
65 70 75 80
Pro Lys Pro Gly Gln Leu Gln Gly Pro Trp Gly Pro Leu Trp Ala Leu
85 90 95
Leu Pro

<210> 893
<211> 99
<212> PRT
<213> Homo sapiens

<400> 893

Ser Lys Ser Asn Pro Lys Pro Arg Cys Gln Lys Gly Thr Pro Trp Val
1 5 10 15
Ile Arg Pro His Phe His Ser Asp Gly Val Ala Ser Ser Lys Thr Gly
20 25 30
Leu Thr Val Phe Gln Met Ser Gly Leu Gln Ala Pro Ile Pro Ser Arg
35 40 45
Cys Ser Ala Ala Ala Leu Ile Leu Arg Gly Gly Leu Pro Cys Thr Pro
50 55 60
Leu Glu Ala Phe His Trp Gly Asn Cys Leu Pro Gly Ser Ala Leu Arg
65 70 75 80
Ile Arg Ile Ala Lys Ala Gly Gln Ser Leu Pro Gln Gly Cys Ser Thr
85 90 95
Gly Gln Ala

<210> 894
<211> 89
<212> PRT
<213> Homo sapiens

<400> 894
Met Lys Pro Ala Thr Ala Ser Ala Leu Leu Leu Leu Leu Leu Gly Leu
1 5 10 15
Ala Trp Thr Gln Gly Ser His Gly Trp Gly Ala Asp Ala Ser Ser Leu
20 25 30
Gln Lys Arg Ala Gly Arg Ala Asp Gln Val Ser Leu Cys Pro Gln Val
35 40 45
Thr Leu Gln Gly Pro Trp Ser Pro Leu Ala Leu Leu Pro Gly Leu Gly
50 55 60
Asn Leu Lys Phe Ser Phe Thr Pro Pro Phe Asn Gly Phe Leu Ser Arg
65 70 75 80
Val Gln Asp Gly Arg Arg Trp Gln Leu
85

<210> 895
<211> 73
<212> PRT
<213> Homo sapiens

<400> 895
Met Ala Gly Asn Ile Gln Ala Val Glu Thr Gly Tyr Val Leu Ile Cys
1 5 10 15
Leu Ile Val Pro Leu Leu Leu Cys Gly Leu Arg Glu Gly Gln Glu Val
20 25 30
Pro Phe Asp Val Asn Lys Ala Lys Tyr Leu Pro Thr Phe Leu Lys Lys
35 40 45
Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys
50 55 60
Lys Lys Lys Lys Lys Lys Lys Lys Ile
65 70

<210> 896
<211> 72
<212> PRT
<213> Homo sapiens

<400> 896

Met Ala Gly Asn Ile Gln Ala Val Glu Thr Gly Tyr Val Leu Ile Cys
1 5 10 15
Leu Ile Val Pro Leu Leu Leu Cys Gly Leu Arg Glu Gly Gln Glu Val
20 25 30
Pro Phe Asp Val Asn Lys Ala Lys Tyr Leu Pro Thr Phe Leu Lys Lys
35 40 45
Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys
50 55 60
Lys Lys Lys Lys Lys Lys Lys Lys
65 70

<210> 897

<211> 29

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (26)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (29)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 897

Met Tyr Val Trp Val Ser Gly Ala Leu Val Leu Val Leu Ser Pro His
1 5 10 15
Pro Ala Ser Arg Thr Leu Cys Leu Met Xaa Gln Ala Xaa
20 25

<210> 898

<211> 80

<212> PRT

<213> Homo sapiens

<400> 898

Pro His Cys Ala Ser Arg Ala Val Pro Tyr Pro Pro Gly Pro Ala Ala
1 5 10 15
Ala Ala Phe Pro Arg Gln Gly Leu Gln Leu Ala Thr Thr Cys Gly His
20 25 30
Ser Ser Asp Pro Ala Cys Phe Gly Gln Cys Pro Cys His Leu Cys Ala
35 40 45

Asn His Pro Gly Tyr Leu Trp Ser Tyr Arg Val His Leu Ser Pro Gln
50 55 60

Pro His Leu His Pro Pro Gln His Leu Leu Pro Pro His Cys Thr Leu
65 70 75 80

<210> 899
<211> 29
<212> PRT
<213> Homo sapiens

<400> 899
Met Tyr Val Trp Val Ser Gly Ala Leu Val Leu Val Leu Ser Pro His
1 5 10 15

Pro Ala Ser Arg Thr Leu Cys Leu Met Ala Gln Ala Val
20 25

<210> 900
<211> 53
<212> PRT
<213> Homo sapiens

<400> 900
Met Arg Ile Pro Val Phe Pro Lys Gln Leu Met Phe Thr Gly Leu Val
1 5 10 15

Phe Leu Leu Leu Leu Ser Lys Asp Glu Gly Ile His Asn Arg Leu Ser
20 25 30

Leu Glu Asn Thr Asn Asp Gly Gln Leu Phe Gly Val Ile Asn Glu Leu
35 40 45

Ala Thr Thr Leu Met
50

<210> 901
<211> 46
<212> PRT
<213> Homo sapiens

<400> 901
Met Arg Ile Pro Val Phe Pro Lys Gln Leu Met Phe Thr Gly Leu Val
1 5 10 15

Phe Leu Leu Leu Leu Ser Lys Asp Glu Gly Ile His Asn Arg Leu Ser
20 25 30

Leu Glu Asn Thr Asn Asp Gly Gln Leu Phe Gly Val Ile Lys
 35 40 45

<210> 902
 <211> 19
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (7)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (11)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 902
 Met Pro Phe Thr Leu Gly Xaa Thr Arg Arg Xaa Arg Gly Leu Ala Lys
 1 5 10 15

Lys Pro Lys

<210> 903
 <211> 531
 <212> PRT
 <213> Homo sapiens

<400> 903
 Met Leu Cys Ala Leu Leu Leu Leu Pro Ser Leu Leu Gly Ala Thr Arg
 1 5 10 15

Ala Ser Pro Thr Ser Gly Pro Gln Glu Cys Ala Lys Gly Ser Thr Val
 20 25 30

Trp Cys Gln Asp Leu Gln Thr Ala Ala Arg Cys Gly Ala Val Gly Tyr
 35 40 45

Cys Gln Gly Ala Val Trp Asn Lys Pro Thr Ala Lys Ser Leu Pro Cys
 50 55 60

Asp Val Cys Gln Asp Ile Ala Ala Ala Ala Gly Asn Gly Leu Asn Pro
 65 70 75 80

Asp Ala Thr Glu Ser Asp Ile Leu Ala Leu Val Met Lys Thr Cys Glu
 85 90 95

Trp Leu Pro Ser Gln Glu Ser Ser Ala Gly Cys Lys Trp Met Val Asp
 100 105 110

Ala	His	Ser	Ser	Ala	Ile	Leu	Ser	Met	Leu	Arg	Gly	Ala	Pro	Asp	Ser		
		115					120					125					
Ala	Pro	Ala	Gln	Val	Cys	Thr	Ala	Leu	Ser	Leu	Cys	Glu	Pro	Leu	Gln		
	130					135					140						
Arg	His	Leu	Ala	Thr	Leu	Arg	Pro	Leu	Ser	Lys	Glu	Asp	Thr	Phe	Glu		
145					150					155					160		
Ala	Val	Ala	Pro	Phe	Met	Ala	Asn	Gly	Pro	Leu	Thr	Phe	His	Pro	Arg		
				165				170						175			
Gln	Ala	Pro	Glu	Gly	Ala	Leu	Cys	Gln	Asp	Cys	Val	Arg	Gln	Val	Ser		
		180						185					190				
Arg	Leu	Gln	Glu	Ala	Val	Arg	Ser	Asn	Leu	Thr	Leu	Ala	Asp	Leu	Asn		
	195						200					205					
Ile	Gln	Glu	Gln	Cys	Glu	Ser	Leu	Gly	Pro	Gly	Leu	Ala	Val	Leu	Cys		
	210					215					220						
Lys	Asn	Tyr	Leu	Phe	Gln	Phe	Phe	Val	Pro	Ala	Asp	Gln	Ala	Leu	Arg		
225					230					235					240		
Leu	Leu	Pro	Pro	Gln	Glu	Leu	Cys	Arg	Lys	Gly	Gly	Phe	Cys	Glu	Glu		
				245					250					255			
Leu	Gly	Ala	Pro	Ala	Arg	Leu	Thr	Gln	Val	Val	Ala	Met	Asp	Gly	Val		
		260						265					270				
Pro	Ser	Leu	Glu	Leu	Gly	Leu	Pro	Arg	Lys	Gln	Ser	Glu	Met	Gln	Met		
	275						280					285					
Lys	Ala	Gly	Val	Thr	Cys	Glu	Val	Cys	Met	Asn	Val	Val	Gln	Lys	Leu		
	290					295					300						
Asp	His	Trp	Leu	Met	Ser	Asn	Ser	Ser	Glu	Leu	Met	Ile	Thr	His	Ala		
305					310					315					320		
Leu	Glu	Arg	Val	Cys	Ser	Val	Met	Pro	Ala	Ser	Ile	Thr	Lys	Glu	Cys		
				325					330					335			
Ile	Ile	Leu	Val	Asp	Thr	Tyr	Ser	Pro	Ser	Leu	Val	Gln	Leu	Val	Ala		
		340						345					350				
Lys	Ile	Thr	Pro	Glu	Lys	Val	Cys	Lys	Phe	Ile	Arg	Leu	Cys	Gly	Asn		
	355						360					365					
Arg	Arg	Arg	Ala	Arg	Ala	Val	His	Asp	Ala	Tyr	Ala	Ile	Val	Pro	Ser		
	370					375				380							
Pro	Glu	Trp	Asp	Ala	Glu	Asn	Gln	Gly	Ser	Phe	Cys	Asn	Gly	Cys	Lys		
385					390					395					400		
Arg	Leu	Leu	Thr	Val	Ser	Ser	His	Asn	Leu	Glu	Ser	Lys	Ser	Thr	Lys		
				405					410					415			

Arg Asp Ile Leu Val Ala Phe Lys Gly Gly Cys Ser Ile Leu Pro Leu
 420 425 430
 Pro Tyr Met Ile Gln Cys Lys His Phe Val Thr Gln Tyr Glu Pro Val
 435 440 445
 Leu Ile Glu Ser Leu Lys Asp Met Met Asp Pro Val Ala Val Cys Lys
 450 455 460
 Lys Val Gly Ala Cys His Gly Pro Arg Thr Pro Leu Leu Gly Thr Asp
 465 470 475 480
 Gln Cys Ala Leu Gly Pro Ser Phe Trp Cys Arg Ser Gln Glu Ala Ala
 485 490 495
 Ser Cys Ala Thr Leu Cys Asn Thr Ala Arg Ser Met Tyr Gly Lys Arg
 500 505 510
 Cys Thr Ser Thr Leu Gly Asn Thr Arg Asp Arg Gly Cys Gln Arg Pro
 515 520 525
 Arg Ala Cys
 530

<210> 904
 <211> 498
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (11)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (20)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (398)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 904
 Glu Ala Leu Gly Gly Arg Cys Leu Trp Glu Xaa Pro Val Thr Phe Thr
 1 5 10 15
 Val His Phe Xaa Asp Asn Ser Gly Asp Val Phe His Ala His Ser Ser
 20 25 30
 Val Leu Asn Phe Ala Thr Asn Arg Asp Asp Phe Val Gln Ile Gly Lys
 35 40 45
 Gly Pro Thr Asn Asn Thr Cys Val Val Arg Thr Val Ser Val Gly Leu

50	55	60
Thr Leu Leu Arg Val	Trp Asp Ala Glu His	Pro Gly Leu Ser Asp Phe
65	70	75 80
Met Pro Leu Pro Val	Leu Gln Ala Ile Ser	Pro Glu Leu Ser Gly Ala
	85	90 95
Met Val Val Gly Asp Val	Leu Cys Leu Ala Thr Val	Leu Thr Ser Leu
	100	105 110
Glu Gly Leu Ser Gly Thr	Trp Ser Ser Ser Ala Asn	Ser Ile Leu His
	115	120 125
Ile Asp Pro Lys Thr Gly	Val Ala Val Ala Arg Ala	Val Gly Ser Val
	130	135 140
Thr Val Tyr Tyr Glu Val	Ala Gly His Leu Arg Thr	Tyr Lys Glu Val
	145	150 155 160
Val Val Ser Val Pro Gln	Arg Ile Met Ala Arg His	Leu His Pro Ile
	165	170 175
Gln Thr Ser Phe Gln Glu	Ala Thr Ala Ser Lys Val	Ile Val Ala Val
	180	185 190
Gly Asp Arg Ser Ser Asn	Leu Arg Gly Glu Cys Thr	Pro Thr Gln Arg
	195	200 205
Glu Val Ile Gln Ala Leu	His Pro Glu Thr Leu Ile	Ser Cys Gln Ser
	210	215 220
Gln Phe Lys Pro Ala Val	Phe Asp Phe Pro Ser Gln	Asp Val Phe Thr
	225	230 235 240
Val Glu Pro Gln Phe Asp	Thr Ala Leu Gly Gln Tyr	Phe Cys Ser Ile
	245	250 255
Thr Met His Arg Leu Thr	Asp Lys Gln Arg Lys His	Leu Ser Met Lys
	260	265 270
Lys Thr Ala Leu Val Val	Ser Ala Ser Leu Ser Ser	Ser His Phe Ser
	275	280 285
Thr Glu Gln Val Gly Ala	Glu Val Pro Phe Ser Pro	Gly Leu Phe Ala
	290	295 300
Asp Gln Ala Glu Ile Leu	Leu Ser Asn His Tyr Thr	Ser Ser Glu Ile
	305	310 315 320
Arg Val Phe Gly Ala Pro	Glu Val Leu Glu Asn Leu	Glu Val Lys Ser
	325	330 335
Gly Ser Pro Ala Val Leu	Ala Phe Ala Lys Glu Lys	Ser Phe Gly Trp
	340	345 350
Pro Ser Phe Ile Thr Tyr	Thr Val Gly Val Leu Asp	Pro Ala Ala Gly

355		360		365
Ser Gln Gly Pro Leu Ser Thr Thr Leu Thr Phe Ser Ser Pro Val Thr				
370		375		380
Asn Gln Ala Ile Ala Ile Pro Val Thr Val Ala Phe Val Xaa Asp Arg				
385		390		400
Arg Gly Pro Gly Pro Tyr Gly Ala Ser Leu Phe Gln His Phe Leu Asp				
	405		410	415
Ser Tyr Gln Val Met Phe Phe Thr Leu Phe Ala Leu Leu Ala Gly Thr				
	420		425	430
Ala Val Met Ile Ile Ala Tyr His Thr Val Cys Thr Pro Arg Asp Leu				
	435		440	445
Ala Val Pro Ala Ala Leu Thr Pro Arg Ala Ser Pro Gly His Ser Pro				
	450		455	460
His Tyr Phe Ala Ala Ser Ser Pro Thr Ser Pro Asn Ala Leu Pro Pro				
465		470		475
Ala Arg Lys Ala Ser Pro Pro Ser Gly Leu Trp Ser Pro Ala Tyr Ala				
	485		490	495

Ser His

<210> 905
 <211> 886
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (26)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (216)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (234)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (275)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (871)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 905

Met	Ala	Ala	Arg	Gly	Arg	Gly	Leu	Leu	Leu	Leu	Thr	Leu	Ser	Val	Leu
1				5					10					15	
Leu	Ala	Ala	Gly	Pro	Ser	Ala	Ala	Ala	Xaa	Lys	Leu	Asn	Ile	Pro	Lys
			20					25					30		
Val	Leu	Leu	Pro	Phe	Thr	Arg	Ala	Thr	Arg	Val	Asn	Phe	Thr	Leu	Glu
		35					40					45			
Ala	Ser	Glu	Gly	Cys	Tyr	Arg	Trp	Leu	Ser	Thr	Arg	Pro	Glu	Val	Ala
	50					55					60				
Ser	Ile	Glu	Pro	Leu	Gly	Leu	Asp	Glu	Gln	Gln	Cys	Ser	Gln	Lys	Ala
65					70					75					80
Val	Val	Gln	Ala	Arg	Leu	Thr	Gln	Pro	Ala	Arg	Leu	Thr	Ser	Ile	Ile
				85					90					95	
Phe	Ala	Glu	Asp	Ile	Thr	Thr	Gly	Gln	Val	Leu	Arg	Cys	Asp	Ala	Ile
			100					105					110		
Val	Asp	Leu	Ile	His	Asp	Ile	Gln	Ile	Val	Ser	Thr	Thr	Arg	Glu	Leu
		115					120					125			
Tyr	Leu	Glu	Asp	Ser	Pro	Leu	Glu	Leu	Lys	Ile	Gln	Ala	Leu	Asp	Ser
	130					135					140				
Glu	Gly	Asn	Thr	Phe	Ser	Thr	Leu	Ala	Gly	Leu	Val	Phe	Glu	Trp	Thr
145					150					155				160	
Ile	Val	Lys	Asp	Ser	Glu	Ala	Asp	Arg	Phe	Ser	Asp	Ser	His	Asn	Ala
			165						170					175	
Leu	Arg	Ile	Leu	Thr	Phe	Leu	Glu	Ser	Thr	Tyr	Ile	Pro	Pro	Ser	Tyr
		180						185					190		
Ile	Ser	Glu	Met	Glu	Lys	Ala	Ala	Lys	Gln	Gly	Asp	Thr	Ile	Leu	Val
	195						200					205			
Ser	Gly	Met	Lys	Thr	Gly	Ser	Xaa	Lys	Leu	Lys	Ala	Arg	Ile	Gln	Glu
	210					215					220				
Ala	Val	Tyr	Lys	Asn	Val	Arg	Pro	Ala	Xaa	Val	Arg	Leu	Leu	Ile	Leu
225					230					235				240	
Glu	Asn	Ile	Leu	Leu	Asn	Pro	Ala	Tyr	Asp	Val	Tyr	Leu	Met	Val	Gly
			245						250					255	
Thr	Ser	Ile	His	Tyr	Lys	Val	Gln	Lys	Ile	Arg	Gln	Gly	Lys	Ile	Thr
		260						265					270		
Glu	Leu	Xaa	Met	Pro	Ser	Asp	Gln	Tyr	Glu	Leu	Gln	Leu	Gln	Asn	Ser

275					280					285					
Ile	Pro	Gly	Pro	Glu	Gly	Asp	Pro	Thr	Arg	Pro	Val	Ala	Val	Leu	Ala
290						295					300				
Gln	Asp	Thr	Ser	Met	Val	Thr	Ala	Leu	Gln	Leu	Gly	Gln	Ser	Ser	Leu
305					310					315					320
Val	Leu	Gly	His	Arg	Ser	Ile	Arg	Met	Gln	Gly	Ala	Ser	Arg	Leu	Pro
				325					330					335	
Asn	Ser	Thr	Ile	Tyr	Val	Val	Glu	Pro	Gly	Tyr	Leu	Gly	Phe	Thr	Val
			340					345					350		
His	Pro	Gly	Asp	Arg	Trp	Val	Leu	Glu	Thr	Gly	Arg	Leu	Tyr	Glu	Ile
		355					360					365			
Thr	Ile	Glu	Val	Phe	Asp	Lys	Phe	Ser	Asn	Lys	Val	Tyr	Val	Ser	Asp
	370					375					380				
Asn	Ile	Arg	Ile	Glu	Thr	Val	Leu	Pro	Ala	Glu	Phe	Phe	Glu	Val	Leu
385					390					395					400
Ser	Ser	Ser	Gln	Asn	Gly	Ser	Tyr	His	Arg	Ile	Arg	Ala	Leu	Lys	Arg
				405					410					415	
Gly	Gln	Thr	Ala	Ile	Asp	Ala	Ala	Leu	Thr	Ser	Val	Val	Asp	Gln	Asp
			420					425					430		
Gly	Gly	Val	His	Ile	Leu	Gln	Val	Pro	Val	Trp	Asn	Gln	Gln	Glu	Val
		435					440					445			
Glu	Ile	His	Ile	Pro	Ile	Thr	Leu	Tyr	Pro	Ser	Ile	Leu	Thr	Phe	Pro
	450					455					460				
Trp	Gln	Pro	Lys	Thr	Gly	Ala	Tyr	Gln	Tyr	Thr	Ile	Arg	Ala	His	Gly
465					470					475					480
Gly	Ser	Gly	Asn	Phe	Ser	Trp	Ser	Ser	Ser	Ser	His	Leu	Val	Ala	Thr
				485					490					495	
Val	Thr	Val	Lys	Gly	Val	Met	Thr	Thr	Gly	Ser	Asp	Ile	Gly	Phe	Ser
			500						505				510		
Val	Ile	Gln	Ala	His	Asp	Val	Gln	Asn	Pro	Leu	His	Phe	Gly	Glu	Met
		515					520					525			
Lys	Val	Tyr	Val	Ile	Glu	Pro	His	Ser	Met	Glu	Phe	Ala	Pro	Cys	Gln
	530					535					540				
Val	Glu	Ala	Arg	Val	Gly	Gln	Ala	Leu	Glu	Leu	Pro	Leu	Arg	Ile	Ser
545					550					555					560
Gly	Leu	Met	Pro	Gly	Gly	Ala	Ser	Glu	Val	Val	Thr	Leu	Ser	Asp	Cys
				565					570					575	
Ser	His	Phe	Asp	Leu	Ala	Val	Glu	Val	Glu	Asn	Gln	Gly	Val	Phe	Gln

580					585					590					
Pro	Leu	Pro	Gly	Arg	Leu	Pro	Pro	Gly	Ser	Glu	His	Cys	Ser	Gly	Val
	595						600					605			
Arg	Val	Lys	Ala	Glu	Ala	Gln	Gly	Ser	Thr	Thr	Leu	Leu	Val	Ser	Tyr
	610					615					620				
Arg	His	Gly	His	Val	His	Leu	Ser	Ala	Lys	Ile	Thr	Ile	Ala	Ala	Tyr
	625					630					635				640
Leu	Pro	Leu	Lys	Ala	Val	Asp	Pro	Ser	Ser	Val	Ala	Leu	Val	Thr	Leu
			645						650					655	
Gly	Ser	Ser	Lys	Glu	Met	Leu	Phe	Glu	Gly	Gly	Pro	Arg	Pro	Trp	Ile
			660					665					670		
Leu	Glu	Pro	Ser	Lys	Phe	Phe	Gln	Asn	Val	Thr	Ala	Glu	Asp	Thr	Asp
		675					680					685			
Ser	Ile	Gly	Leu	Ala	Leu	Phe	Ala	Pro	His	Ser	Ser	Arg	Asn	Tyr	Gln
	690					695					700				
Gln	His	Trp	Ile	Leu	Val	Thr	Cys	Gln	Ala	Leu	Gly	Glu	Gln	Val	Ile
	705					710					715				720
Ala	Leu	Ser	Val	Gly	Asn	Lys	Pro	Ser	Leu	Thr	Asn	Pro	Phe	Pro	Ala
			725						730					735	
Val	Glu	Pro	Ala	Val	Val	Lys	Phe	Val	Cys	Ala	Pro	Pro	Ser	Arg	Leu
			740					745					750		
Thr	Leu	Val	Pro	Val	Tyr	Thr	Ser	Pro	Gln	Leu	Asp	Met	Ser	Cys	Pro
		755					760					765			
Leu	Leu	Gln	Gln	Asn	Lys	Gln	Val	Val	Pro	Val	Ser	Ser	His	Arg	Asn
	770					775					780				
Pro	Leu	Leu	Asp	Leu	Ala	Ala	Tyr	Asp	Gln	Glu	Gly	Arg	Arg	Phe	Asp
	785					790					795				800
Asn	Phe	Ser	Ser	Leu	Ser	Ile	Gln	Trp	Glu	Ser	Thr	Arg	Pro	Val	Leu
			805						810					815	
Ala	Ser	Ile	Glu	Pro	Glu	Leu	Pro	Met	Gln	Leu	Val	Ser	Gln	Asp	Asp
			820					825					830		
Glu	Ser	Gly	Gln	Lys	Lys	Leu	His	Gly	Leu	Gln	Ala	Ile	Leu	Val	His
		835					840					845			
Glu	Ala	Ser	Gly	Thr	Thr	Ala	Ser	Leu	Pro	Leu	Pro	Leu	Ala	Thr	Arg
	850					855					860				
Ser	Pro	Thr	Ser	Ala	Leu	Xaa	Glu	Gln	Ser	Ser	Arg	Met	Thr	Leu	Trp
	865					870					875				880
Cys	Leu	Cys	Arg	Pro	Pro										

<210> 906
 <211> 1887
 <212> PRT
 <213> Homo sapiens

<400> 906

Met	Ala	Ala	Arg	Gly	Arg	Gly	Leu	Leu	Leu	Leu	Thr	Leu	Ser	Val	Leu
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Leu	Ala	Ala	Gly	Pro	Ser	Ala	Ala	Ala	Ala	Lys	Leu	Asn	Ile	Pro	Lys
			20					25					30		
Val	Leu	Leu	Pro	Phe	Thr	Arg	Ala	Thr	Arg	Val	Asn	Phe	Thr	Leu	Glu
			35				40					45			
Ala	Ser	Glu	Gly	Cys	Tyr	Arg	Trp	Leu	Ser	Thr	Arg	Pro	Glu	Val	Ala
	50					55					60				
Ser	Ile	Glu	Pro	Leu	Gly	Leu	Asp	Glu	Gln	Gln	Cys	Ser	Gln	Lys	Ala
65					70					75					80
Val	Val	Gln	Ala	Arg	Leu	Thr	Gln	Pro	Ala	Arg	Leu	Thr	Ser	Ile	Ile
				85					90					95	
Phe	Ala	Glu	Asp	Ile	Thr	Thr	Gly	Gln	Val	Leu	Arg	Cys	Asp	Ala	Ile
			100					105					110		
Val	Asp	Leu	Ile	His	Asp	Ile	Gln	Ile	Val	Ser	Thr	Thr	Arg	Glu	Leu
		115					120					125			
Tyr	Leu	Glu	Asp	Ser	Pro	Leu	Glu	Leu	Lys	Ile	Gln	Ala	Leu	Asp	Ser
	130					135					140				
Glu	Gly	Asn	Thr	Phe	Ser	Thr	Leu	Ala	Gly	Leu	Val	Phe	Glu	Trp	Thr
145					150					155					160
Ile	Val	Lys	Asp	Ser	Glu	Ala	Asp	Arg	Phe	Ser	Asp	Ser	His	Asn	Ala
			165						170					175	
Leu	Arg	Ile	Leu	Thr	Phe	Leu	Glu	Ser	Thr	Tyr	Ile	Pro	Pro	Ser	Tyr
			180					185					190		
Ile	Ser	Glu	Met	Glu	Lys	Ala	Ala	Lys	Gln	Gly	Asp	Thr	Ile	Leu	Val
	195					200					205				
Ser	Gly	Met	Lys	Thr	Gly	Ser	Ser	Lys	Leu	Lys	Ala	Arg	Ile	Gln	Glu
	210					215					220				
Ala	Val	Tyr	Lys	Asn	Val	Arg	Pro	Ala	Glu	Val	Arg	Leu	Leu	Ile	Leu
225				230						235					240
Glu	Asn	Ile	Leu	Leu	Asn	Pro	Ala	Tyr	Asp	Val	Tyr	Leu	Met	Val	Gly
			245						250					255	

Thr	Ser	Ile	His	Tyr	Lys	Val	Gln	Lys	Ile	Arg	Gln	Gly	Lys	Ile	Thr	260	265	270	
Glu	Leu	Ser	Met	Pro	Ser	Asp	Gln	Tyr	Glu	Leu	Gln	Leu	Gln	Asn	Ser	275	280	285	
Ile	Pro	Gly	Pro	Glu	Gly	Asp	Pro	Thr	Arg	Pro	Val	Ala	Val	Leu	Ala	290	295	300	
Gln	Asp	Thr	Ser	Met	Val	Thr	Ala	Leu	Gln	Leu	Gly	Gln	Ser	Ser	Leu	305	310	315	320
Val	Leu	Gly	His	Arg	Ser	Ile	Arg	Met	Gln	Gly	Ala	Ser	Arg	Leu	Pro	325	330	335	
Asn	Ser	Thr	Ile	Tyr	Val	Val	Glu	Pro	Gly	Tyr	Leu	Gly	Phe	Thr	Val	340	345	350	
His	Pro	Gly	Asp	Arg	Trp	Val	Leu	Glu	Thr	Gly	Arg	Leu	Tyr	Glu	Ile	355	360	365	
Thr	Ile	Glu	Val	Phe	Asp	Lys	Phe	Ser	Asn	Lys	Val	Tyr	Val	Ser	Asp	370	375	380	
Asn	Ile	Arg	Ile	Glu	Thr	Val	Leu	Pro	Ala	Glu	Phe	Phe	Glu	Val	Leu	385	390	395	400
Ser	Ser	Ser	Gln	Asn	Gly	Ser	Tyr	His	Arg	Ile	Arg	Ala	Leu	Lys	Arg	405	410	415	
Gly	Gln	Thr	Ala	Ile	Asp	Ala	Ala	Leu	Thr	Ser	Val	Val	Asp	Gln	Asp	420	425	430	
Gly	Gly	Val	His	Ile	Leu	Gln	Val	Pro	Val	Trp	Asn	Gln	Gln	Glu	Val	435	440	445	
Glu	Ile	His	Ile	Pro	Ile	Thr	Leu	Tyr	Pro	Ser	Ile	Leu	Thr	Phe	Pro	450	455	460	
Trp	Gln	Pro	Lys	Thr	Gly	Ala	Tyr	Gln	Tyr	Thr	Ile	Arg	Ala	His	Gly	465	470	475	480
Gly	Ser	Gly	Asn	Phe	Ser	Trp	Ser	Ser	Ser	Ser	His	Leu	Val	Ala	Thr	485	490	495	
Val	Thr	Val	Lys	Gly	Val	Met	Thr	Thr	Gly	Ser	Asp	Ile	Gly	Phe	Ser	500	505	510	
Val	Ile	Gln	Ala	His	Asp	Val	Gln	Asn	Pro	Leu	His	Phe	Gly	Glu	Met	515	520	525	
Lys	Val	Tyr	Val	Ile	Glu	Pro	His	Ser	Met	Glu	Phe	Ala	Pro	Cys	Gln	530	535	540	
Val	Glu	Ala	Arg	Val	Gly	Gln	Ala	Leu	Glu	Leu	Pro	Leu	Arg	Ile	Ser	545	550	555	560

Gly	Leu	Met	Pro	Gly	Gly	Ala	Ser	Glu	Val	Val	Thr	Leu	Ser	Asp	Cys		
				565					570					575			
Ser	His	Phe	Asp	Leu	Ala	Val	Glu	Val	Glu	Asn	Gln	Gly	Val	Phe	Gln		
			580					585					590				
Pro	Leu	Pro	Gly	Arg	Leu	Pro	Pro	Gly	Ser	Glu	His	Cys	Ser	Gly	Val		
		595					600					605					
Arg	Val	Lys	Ala	Glu	Ala	Gln	Gly	Ser	Thr	Thr	Leu	Leu	Val	Ser	Tyr		
	610					615					620						
Arg	His	Gly	His	Val	His	Leu	Ser	Ala	Lys	Ile	Thr	Ile	Ala	Ala	Tyr		
	625				630					635					640		
Leu	Pro	Leu	Lys	Ala	Val	Asp	Pro	Ser	Ser	Val	Ala	Leu	Val	Thr	Leu		
			645						650					655			
Gly	Ser	Ser	Lys	Glu	Met	Leu	Phe	Glu	Gly	Gly	Pro	Arg	Pro	Trp	Ile		
			660					665					670				
Leu	Glu	Pro	Ser	Lys	Phe	Phe	Gln	Asn	Val	Thr	Ala	Glu	Asp	Thr	Asp		
		675					680					685					
Ser	Ile	Gly	Leu	Ala	Leu	Phe	Ala	Pro	His	Ser	Ser	Arg	Asn	Tyr	Gln		
	690					695					700						
Gln	His	Trp	Ile	Leu	Val	Thr	Cys	Gln	Ala	Leu	Gly	Glu	Gln	Val	Ile		
	705				710					715					720		
Ala	Leu	Ser	Val	Gly	Asn	Lys	Pro	Ser	Leu	Thr	Asn	Pro	Phe	Pro	Ala		
			725						730					735			
Val	Glu	Pro	Ala	Val	Val	Lys	Phe	Val	Cys	Ala	Pro	Pro	Ser	Arg	Leu		
			740					745					750				
Thr	Leu	Val	Pro	Val	Tyr	Thr	Ser	Pro	Gln	Leu	Asp	Met	Ser	Cys	Pro		
		755					760					765					
Leu	Leu	Gln	Gln	Asn	Lys	Gln	Val	Val	Pro	Val	Ser	Ser	His	Arg	Asn		
	770					775					780						
Pro	Leu	Leu	Asp	Leu	Ala	Ala	Tyr	Asp	Gln	Glu	Gly	Arg	Arg	Phe	Asp		
	785				790					795					800		
Asn	Phe	Ser	Ser	Leu	Ser	Ile	Gln	Trp	Glu	Ser	Thr	Arg	Pro	Val	Leu		
				805					810					815			
Ala	Ser	Ile	Glu	Pro	Glu	Leu	Pro	Met	Gln	Leu	Val	Ser	Gln	Asp	Asp		
			820					825					830				
Glu	Ser	Gly	Gln	Lys	Lys	Leu	His	Gly	Leu	Gln	Ala	Ile	Leu	Val	His		
		835					840					845					
Glu	Ala	Ser	Gly	Thr	Thr	Ala	Ile	Thr	Ala	Thr	Ala	Thr	Gly	Tyr	Gln		
	850					855					860						

Glu Ser His Leu Ser Ser Ala Arg Thr Lys Gln Pro His Asp Pro Leu
 865 870 875 880

Val Pro Leu Ser Ala Ser Ile Glu Leu Ile Leu Val Glu Asp Val Arg
 885 890 895

Val Ser Pro Glu Glu Val Thr Ile Tyr Asn His Pro Gly Ile Gln Ala
 900 905 910

Glu Leu Arg Ile Arg Glu Gly Ser Gly Tyr Phe Phe Leu Asn Thr Ser
 915 920 925

Thr Ala Asp Val Val Lys Val Ala Tyr Gln Glu Ala Arg Gly Val Ala
 930 935 940

Met Val His Pro Leu Leu Pro Gly Ser Ser Thr Ile Met Ile His Asp
 945 950 955 960

Leu Cys Leu Val Phe Pro Ala Pro Ala Lys Ala Val Val Tyr Val Ser
 965 970 975

Asp Ile Gln Glu Leu Tyr Ile Arg Val Val Asp Lys Val Glu Ile Gly
 980 985 990

Lys Thr Val Lys Ala Tyr Val Arg Val Leu Asp Leu His Lys Lys Pro
 995 1000 1005

Phe Leu Ala Lys Tyr Phe Pro Phe Met Asp Leu Lys Leu Arg Ala Ala
 1010 1015 1020

Ser Pro Ile Ile Thr Leu Val Ala Leu Asp Glu Ala Leu Asp Asn Tyr
 1025 1030 1035 1040

Thr Ile Thr Phe Leu Ile Arg Gly Val Ala Ile Gly Gln Thr Ser Leu
 1045 1050 1055

Thr Ala Ser Val Thr Asn Lys Ala Gly Gln Arg Ile Asn Ser Ala Pro
 1060 1065 1070

Gln Gln Ile Glu Val Phe Pro Pro Phe Arg Leu Met Pro Arg Lys Val
 1075 1080 1085

Thr Leu Leu Ile Gly Ala Thr Met Gln Val Thr Ser Glu Gly Gly Pro
 1090 1095 1100

Gln Pro Gln Ser Asn Ile Leu Phe Ser Ile Ser Asn Glu Ser Val Ala
 1105 1110 1115 1120

Leu Val Ser Ala Ala Gly Leu Val Gln Gly Leu Ala Ile Gly Asn Gly
 1125 1130 1135

Thr Val Ser Gly Leu Val Gln Ala Val Asp Ala Glu Thr Gly Lys Val
 1140 1145 1150

Val Ile Ile Ser Gln Asp Leu Val Gln Val Glu Val Leu Leu Leu Arg
 1155 1160 1165

Ala Val	Arg Ile Arg	Ala Pro	Ile Met Arg	Met Arg	Thr Gly Thr Gln
1170		1175		1180	
Met	Pro Ile Tyr Val	Thr Gly Ile Thr	Asn His	Gln Asn Pro Phe	Ser
1185		1190	1195		1200
Phe Gly Asn Ala Val	Pro Gly Leu Thr	Phe His Trp Ser Val	Thr	Lys	
	1205	1210		1215	
Arg Asp Val Leu	Asp Leu Arg Gly Arg	His His Glu Ala Ser	Ile Arg		
	1220	1225	1230		
Leu Pro Ser	Gln Tyr Asn Phe Ala	Met Asn Val Leu Gly	Arg Val Lys		
	1235	1240	1245		
Gly Arg	Thr Gly Leu Arg Val	Val Val Lys Ala Val	Asp Pro Thr Ser		
	1250	1255	1260		
Gly Gln Leu Tyr Gly	Leu Ala Arg Glu Leu Ser	Asp Glu Ile Gln Val			
1265		1270	1275		1280
Gln Val Phe Glu Lys	Leu Gln Leu Leu Asn	Pro Glu Ile Glu Ala	Glu		
	1285	1290	1295		
Gln Ile Leu Met	Ser Pro Asn Ser Tyr	Ile Lys Leu Gln Thr	Asn Arg		
	1300	1305	1310		
Asp Gly Ala	Ala Ser Leu Ser Tyr	Arg Val Leu Asp Gly	Pro Glu Lys		
	1315	1320	1325		
Val Pro	Val Val His Val Asp	Glu Lys Gly Phe Leu	Ala Ser Gly Ser		
	1330	1335	1340		
Met Ile Gly Thr Ser	Thr Ile Gly Val Ile	Ala Gln Glu Pro Phe	Gly		
1345		1350	1355		1360
Ala Asn Gln Thr Ile	Ile Val Ala Val Lys	Val Ser Pro Val Ser	Tyr		
	1365	1370	1375		
Leu Arg Val Ser	Met Ser Pro Val Leu	His Thr Gln Asn Lys	Glu Ala		
	1380	1385	1390		
Leu Val Ala	Val Pro Leu Gly Met	Thr Val Thr Phe Thr	Val His Phe		
	1395	1400	1405		
His Asp	Asn Ser Gly Asp Val	Phe His Ala His Ser	Ser Val Leu Asn		
	1410	1415	1420		
Phe Ala Thr Asn Arg	Asp Asp Phe Val Gln Ile	Gly Lys Gly Pro Thr			
1425		1430	1435		1440
Asn Asn Thr Cys Val	Val Arg Thr Val Ser	Val Gly Leu Thr Leu	Leu		
	1445	1450	1455		
Arg Val Trp Asp	Ala Glu His Pro Gly	Leu Ser Asp Phe Met	Pro Leu		
	1460	1465	1470		

Pro Val Leu Gln Ala Ile Ser Pro Glu Leu Ser Gly Ala Met Val Val
 1475 1480 1485

Gly Asp Val Leu Cys Leu Ala Thr Val Leu Thr Ser Leu Glu Gly Leu
 1490 1495 1500

Ser Gly Thr Trp Ser Ser Ser Ala Asn Ser Ile Leu His Ile Asp Pro
 1505 1510 1515 1520

Lys Thr Gly Val Ala Val Ala Arg Ala Val Gly Ser Val Thr Val Tyr
 1525 1530 1535

Tyr Glu Val Ala Gly His Leu Arg Thr Tyr Lys Glu Val Val Val Ser
 1540 1545 1550

Val Pro Gln Arg Ile Met Ala Arg His Leu His Pro Ile Gln Thr Ser
 1555 1560 1565

Phe Gln Glu Ala Thr Ala Ser Lys Val Ile Val Ala Val Gly Asp Arg
 1570 1575 1580

Ser Ser Asn Leu Arg Gly Glu Cys Thr Pro Thr Gln Arg Glu Val Ile
 1585 1590 1595 1600

Gln Ala Leu His Pro Glu Thr Leu Ile Ser Cys Gln Ser Gln Phe Lys
 1605 1610 1615

Pro Ala Val Phe Asp Phe Pro Ser Gln Asp Val Phe Thr Val Glu Pro
 1620 1625 1630

Gln Phe Asp Thr Ala Leu Gly Gln Tyr Phe Cys Ser Ile Thr Met His
 1635 1640 1645

Arg Leu Thr Asp Lys Gln Arg Lys His Leu Ser Met Lys Lys Thr Ala
 1650 1655 1660

Leu Val Val Ser Ala Ser Leu Ser Ser Ser His Phe Ser Thr Glu Gln
 1665 1670 1675 1680

Val Gly Ala Glu Val Pro Phe Ser Pro Gly Leu Phe Ala Asp Gln Ala
 1685 1690 1695

Glu Ile Leu Leu Ser Asn His Tyr Thr Ser Ser Glu Ile Arg Val Phe
 1700 1705 1710

Gly Ala Pro Glu Val Leu Glu Asn Leu Glu Val Lys Ser Gly Ser Pro
 1715 1720 1725

Ala Val Leu Ala Phe Ala Lys Glu Lys Ser Phe Gly Trp Pro Ser Phe
 1730 1735 1740

Ile Thr Tyr Thr Val Gly Val Leu Asp Pro Ala Ala Gly Ser Gln Gly
 1745 1750 1755 1760

Pro Leu Ser Thr Thr Leu Thr Phe Ser Ser Pro Val Thr Asn Gln Ala
 1765 1770 1775

Ile Ala Ile Pro Val Thr Val Ala Phe Val Val Asp Arg Arg Gly Pro
 1780 1785 1790
 Gly Pro Tyr Gly Ala Ser Leu Phe Gln His Phe Leu Asp Ser Tyr Gln
 1795 1800 1805
 Val Met Phe Phe Thr Leu Phe Ala Leu Leu Ala Gly Thr Ala Val Met
 1810 1815 1820
 Ile Ile Ala Tyr His Thr Val Cys Thr Pro Arg Asp Leu Ala Val Pro
 1825 1830 1835 1840
 Ala Ala Leu Thr Pro Arg Ala Ser Pro Gly His Ser Pro His Tyr Phe
 1845 1850 1855
 Ala Ala Ser Ser Pro Thr Ser Pro Asn Ala Leu Pro Pro Ala Arg Lys
 1860 1865 1870
 Ala Ser Pro Pro Ser Gly Leu Trp Ser Pro Ala Tyr Ala Ser His
 1875 1880 1885

<210> 907
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 <212> PRT
 <213> Homo sapiens

<400> 907
 Pro Leu Cys Leu Ala Leu Glu Leu Gly Trp Val Cys Leu Ser Ser Thr
 1 5 10 15

<210> 908
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 <212> PRT
 <213> Homo sapiens

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 <222> (262)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<400> 908

Met	Leu	Leu	Leu	Trp	Lys	Asn	Phe	Met	Tyr	Arg	Arg	Arg	Gln	Pro	Val
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Gln	Leu	Leu	Val	Glu	Leu	Leu	Trp	Pro	Leu	Phe	Leu	Phe	Phe	Ile	Leu
			20					25					30		

Val	Ala	Val	Arg	His	Ser	His	Pro	Pro	Leu	Glu	His	His	Glu	Cys	His
			35				40					45			

Phe	Pro	Asn	Lys	Pro	Leu	Pro	Ser	Ala	Gly	Thr	Val	Pro	Trp	Leu	Gln
	50					55					60				

Gly	Leu	Ile	Cys	Asn	Val	Asn	Asn	Thr	Cys	Phe	Pro	Gln	Leu	Thr	Pro
65				70					75						80

Gly	Glu	Glu	Pro	Gly	Arg	Leu	Ser	Asn	Phe	Asn	Asp	Ser	Leu	Val	Ser
				85				90						95	

Arg	Leu	Leu	Ala	Asp	Ala	Arg	Thr	Val	Leu	Gly	Gly	Ala	Ser	Ala	His
			100					105					110		

Arg	Thr	Leu	Ala	Gly	Leu	Gly	Lys	Leu	Ile	Ala	Thr	Leu	Arg	Ala	Ala
	115						120					125			

Arg	Ser	Thr	Ala	Gln	Pro	Gln	Pro	Thr	Lys	Gln	Ser	Pro	Leu	Glu	Pro
	130					135					140				

Pro	Met	Leu	Asp	Val	Ala	Glu	Leu	Leu	Thr	Ser	Leu	Leu	Arg	Thr	Glu
145				150						155					160

Ser	Leu	Gly	Leu	Ala	Leu	Gly	Gln	Ala	Gln	Glu	Pro	Leu	His	Ser	Leu
			165				170							175	

Leu	Glu	Ala	Ala	Glu	Asp	Leu	Ala	Gln	Glu	Leu	Leu	Ala	Leu	Arg	Ser
			180					185					190		

Leu	Val	Glu	Leu	Arg	Ala	Leu	Leu	Gln	Arg	Pro	Arg	Gly	Thr	Ser	Gly
	195						200					205			

Pro	Leu	Glu	Leu	Leu	Ser	Glu	Ala	Leu	Cys	Ser	Val	Arg	Gly	Pro	Ser
	210					215					220				

Ser	Thr	Val	Gly	Pro	Ser	Leu	Asn	Trp	Tyr	Glu	Ala	Ser	Asp	Leu	Met
225					230					235					240

Glu	Leu	Val	Gly	Gln	Glu	Pro	Glu	Ser	Ala	Cys	Arg	Gln	Gln	Leu	Ser
			245						250					255	

Pro	Leu	Leu	Gly	Ala	Xaa	Trp	Ser	Leu	Asp	Ser	Thr	Arg	Cys	Pro	Leu
			260					265					270		

Val Trp Asn Ala Glu Ala Xaa Ser Ser Glu Val Leu Leu Thr Asp His
275 280 285

Phe Thr Glu Val Met Xaa Xaa Glu Arg Leu Gln Ser Tyr Leu
290 295 300

<210> 909
<211> 37
<212> PRT
<213> Homo sapiens

<400> 909
Leu Pro Trp Leu Pro Phe Phe Phe Ser Cys Leu Val Ser Thr Leu Pro
1 5 10 15

Ser Met Ser Val Ser Ala Phe Ser Leu Val Val Arg Gly Arg Arg Ala
20 25 30

Phe Thr Ser Val Arg
35

<210> 910
<211> 181
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (80)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (151)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (162)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 910
Pro Lys Thr Ser Pro Ser Pro Glu Val Ser Tyr Thr Thr Pro Ala Pro
1 5 10 15

Lys Asp Val Leu Leu Pro His Lys Pro Tyr Pro Glu Val Ser Gln Ser
20 25 30

Glu Pro Ala Pro Leu Glu Thr Arg Gly Ile Pro Phe Ile Pro Met Ile
35 40 45

Ser Pro Ser Pro Ser Gln Glu Glu Leu Gln Thr Thr Leu Glu Glu Thr

50	55	60
Asp Gln Ser Thr Gln Glu Pro Phe Thr Thr Lys Ile Pro Arg Thr Xaa 65 70 75 80		
Glu Leu Ala Lys Thr Thr Gln Ala Pro His Arg Phe Tyr Thr Thr Val 85 90 95		
Arg Pro Arg Thr Ser Asp Lys Pro His Ile Arg Pro Val Leu Asn Arg 100 105 110		
Thr Thr Thr Arg Pro Thr Arg Pro Lys Pro Ser Gly Met Pro Ser Gly 115 120 125		
Asn Gly Val Gly Thr Gly Val Lys Gln Ala Pro Arg Pro Ser Gly Ala 130 135 140		
Asp Arg Asn Val Ser Val Xaa Ser Thr His Pro Thr Lys Lys Pro Gly 145 150 155 160		
Thr Xaa Arg Pro Pro Leu Pro Pro Ser Arg Arg Gly Arg Glu Phe Pro 165 170 175		
Gly Arg Arg Ala His 180		

<210> 911
 <211> 161
 <212> PRT
 <213> Homo sapiens

<400> 911
Met Leu Ser Ser Leu Gly Cys Leu Leu Leu Cys Gly Ser Ile Thr Leu 1 5 10 15
Ala Leu Gly Asn Ala Gln Lys Leu Pro Lys Gly Lys Arg Pro Asn Leu 20 25 30
Lys Val His Ile Asn Thr Thr Ser Asp Ser Ile Leu Leu Lys Phe Leu 35 40 45
Arg Pro Ser Pro Asn Val Lys Leu Glu Gly Leu Leu Leu Gly Tyr Gly 50 55 60
Ser Asn Val Ser Pro Asn Gln Tyr Phe Pro Leu Pro Ala Glu Gly Lys 65 70 75 80
Phe Thr Glu Ala Ile Val Asp Ala Glu Pro Lys Tyr Leu Ile Val Val 85 90 95
Arg Pro Ala Pro Pro Pro Ser Gln Lys Lys Ser Cys Ser Gly Lys Thr 100 105 110
Arg Ser Arg Lys Pro Leu Gln Leu Val Val Gly Thr Leu Thr Pro Ser 115 120 125

Ser Val Phe Leu Ser Trp Gly Phe Leu Ile Asn Pro His His Asp Trp
 130 135 140

Thr Leu Pro Ser His Cys Pro Asn Asp Arg Phe Tyr Thr Ile Arg Tyr
 145 150 155 160

Arg

<210> 912
 <211> 778
 <212> PRT
 <213> Homo sapiens

<400> 912
 Met Leu Ser Ser Leu Gly Cys Leu Leu Leu Cys Gly Ser Ile Thr Leu
 1 5 10 15

Ala Leu Gly Asn Ala Gln Lys Leu Pro Lys Gly Lys Arg Pro Asn Leu
 20 25 30

Lys Val His Ile Asn Thr Thr Ser Asp Ser Ile Leu Leu Lys Phe Leu
 35 40 45

Arg Pro Ser Pro Asn Val Lys Leu Glu Gly Leu Leu Leu Gly Tyr Gly
 50 55 60

Ser Asn Val Ser Pro Asn Gln Tyr Phe Pro Leu Pro Ala Glu Gly Lys
 65 70 75 80

Phe Thr Glu Ala Ile Val Asp Ala Glu Pro Lys Tyr Leu Ile Val Val
 85 90 95

Arg Pro Ala Pro Pro Pro Ser Gln Lys Lys Ser Cys Ser Gly Lys Thr
 100 105 110

Arg Ser Arg Lys Pro Leu Gln Leu Val Val Gly Thr Leu Thr Pro Ser
 115 120 125

Ser Val Phe Leu Ser Trp Gly Phe Leu Ile Asn Pro His His Asp Trp
 130 135 140

Thr Leu Pro Ser His Cys Pro Asn Asp Arg Phe Tyr Thr Ile Arg Tyr
 145 150 155 160

Arg Glu Lys Asp Lys Glu Lys Lys Trp Ile Phe Gln Ile Cys Pro Ala
 165 170 175

Thr Glu Thr Ile Val Glu Asn Leu Lys Pro Asn Thr Val Tyr Glu Phe
 180 185 190

Gly Val Lys Asp Asn Val Glu Gly Gly Ile Trp Ser Lys Ile Phe Asn
 195 200 205

His	Lys	Thr	Val	Val	Gly	Ser	Lys	Lys	Val	Asn	Gly	Lys	Ile	Gln	Ser	210	215	220	
Thr	Tyr	Asp	Gln	Asp	His	Thr	Val	Pro	Ala	Tyr	Val	Pro	Arg	Lys	Leu	225	230	235	240
Ile	Pro	Ile	Thr	Ile	Ile	Lys	Gln	Val	Ile	Gln	Asn	Val	Thr	His	Lys	245	250	255	
Asp	Ser	Ala	Lys	Ser	Pro	Glu	Lys	Ala	Pro	Leu	Gly	Gly	Val	Ile	Leu	260	265	270	
Val	His	Leu	Ile	Ile	Pro	Gly	Leu	Asn	Glu	Thr	Thr	Val	Lys	Leu	Pro	275	280	285	
Ala	Ser	Leu	Met	Phe	Glu	Ile	Ser	Asp	Ala	Leu	Lys	Thr	Gln	Leu	Ala	290	295	300	
Lys	Asn	Glu	Thr	Leu	Ala	Leu	Pro	Ala	Glu	Ser	Lys	Thr	Pro	Glu	Val	305	310	315	320
Glu	Lys	Ile	Ser	Ala	Arg	Pro	Thr	Thr	Val	Thr	Pro	Glu	Thr	Val	Pro	325	330	335	
Arg	Ser	Thr	Lys	Pro	Thr	Thr	Ser	Ser	Ala	Leu	Asp	Val	Ser	Glu	Thr	340	345	350	
Thr	Leu	Val	Leu	Ser	Lys	Arg	Thr	Pro	Glu	Thr	Leu	Gln	Thr	Ile	Leu	355	360	365	
Ile	Pro	Gln	Phe	Glu	Leu	Pro	Leu	Ser	Thr	Leu	Ala	Pro	Lys	Ser	Leu	370	375	380	
Pro	Glu	Phe	Pro	Glu	Ala	Lys	Thr	Pro	Phe	Pro	Phe	Glu	Lys	Pro	Arg	385	390	395	400
Gly	Thr	Leu	Ala	Ser	Ser	Glu	Lys	Pro	Trp	Ile	Val	Pro	Thr	Ala	Lys	405	410	415	
Ile	Ser	Glu	Asp	Ser	Lys	Val	Leu	Gln	Pro	Gln	Thr	Ala	Thr	Tyr	Asp	420	425	430	
Val	Phe	Ser	Ser	Pro	Thr	Thr	Ser	Asp	Glu	Pro	Glu	Ile	Ser	Asp	Ser	435	440	445	
Tyr	Thr	Ala	Thr	Ser	Asp	Arg	Ile	Leu	Asp	Ser	Ile	Pro	Pro	Lys	Thr	450	455	460	
Ser	Arg	Thr	Leu	Glu	Gln	Pro	Arg	Ala	Thr	Leu	Ala	Pro	Ser	Glu	Thr	465	470	475	480
Pro	Phe	Val	Pro	Gln	Lys	Leu	Glu	Ile	Phe	Thr	Ser	Pro	Glu	Met	Gln	485	490	495	
Pro	Thr	Thr	Pro	Ala	Pro	Gln	Gln	Thr	Thr	Ser	Ile	Pro	Ser	Thr	Pro	500	505	510	

Lys Arg Arg Pro Arg Pro Lys Pro Pro Arg Thr Lys Pro Glu Arg Thr
 515 520 525
 Thr Ser Ala Gly Thr Ile Thr Pro Lys Ile Ser Lys Ser Pro Glu Pro
 530 535 540
 Thr Trp Thr Thr Pro Ala Pro Gly Lys Thr Gln Phe Ile Ser Leu Lys
 545 550 555 560
 Pro Lys Ile Pro Leu Ser Pro Glu Val Thr His Thr Lys Pro Ala Pro
 565 570 575
 Lys Gln Thr Pro Arg Ala Pro Pro Lys Pro Lys Thr Ser Pro Arg Pro
 580 585 590
 Arg Ile Pro Gln Thr Gln Pro Val Pro Lys Val Pro Gln Arg Val Thr
 595 600 605
 Ala Lys Pro Lys Thr Ser Pro Ser Pro Glu Val Ser Tyr Thr Thr Pro
 610 615 620
 Ala Pro Lys Asp Val Leu Leu Pro His Lys Pro Tyr Pro Glu Val Ser
 625 630 635 640
 Gln Ser Glu Pro Ala Pro Leu Glu Thr Arg Gly Ile Pro Phe Ile Pro
 645 650 655
 Met Ile Ser Pro Ser Pro Ser Gln Glu Glu Leu Gln Thr Thr Leu Glu
 660 665 670
 Glu Thr Asp Gln Ser Thr Gln Glu Pro Phe Thr Thr Lys Ile Pro Arg
 675 680 685
 Thr Thr Glu Leu Ala Lys Thr Thr Gln Ala Pro His Arg Phe Tyr Thr
 690 695 700
 Thr Val Arg Pro Arg Thr Ser Asp Lys Pro His Ile Arg Pro Val Leu
 705 710 715 720
 Asn Arg Thr Thr Thr Arg Pro Thr Arg Pro Lys Pro Ser Gly Met Pro
 725 730 735
 Ser Gly Asn Gly Val Gly Thr Gly Val Lys Gln Ala Pro Arg Pro Ser
 740 745 750
 Gly Ala Asp Arg Asn Val Ser Val Asp Ser Thr His Pro Thr Lys Lys
 755 760 765
 Pro Gly Thr Arg Arg Pro Pro Leu Pro Pro
 770 775

<210> 913

<211> 132

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (70)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 913

Ser Phe Arg Thr Ala Pro Arg Gly Pro His Val Lys Glu Ser His Ala
1 5 10 15

Ser Gly Leu Leu Ser Asn Gln Ile Asn Leu Gln Ser Phe Asp Phe Lys
20 25 30

Arg Met Leu Leu Cys Arg Leu Asn Ile Thr Gly Leu Cys Trp Gly Pro
35 40 45

Lys Arg Thr Arg Cys Ala Leu Gly Gly Gln Thr Gly Leu Gln His His
50 55 60

Pro Ser Asn Glu Lys Xaa Arg His Ser Gly Lys Glu Asp Leu Phe Leu
65 70 75 80

Ser Ile Cys Leu Gly Trp Gly Thr Thr Val Asn Met Ala Cys Asn Asn
85 90 95

Gln Arg Gly Arg Gly Tyr Gln Thr Gln Arg Asn Ser Ser Pro Val Tyr
100 105 110

Gln Glu Glu Leu Leu Phe Phe Cys Thr Ser Leu Phe Ser Arg Leu Phe
115 120 125

Ser Leu Lys Gly
130

<210> 914

<211> 33

<212> PRT

<213> Homo sapiens

<400> 914

Met Asn His Leu Ser Ile Ser Ile Ala Leu Phe Leu Leu Cys Cys Val
1 5 10 15

His Leu Ser Leu Gly Leu Ser Val Phe Pro Phe Gln Glu Asp Arg Ser
20 25 30

Val

<210> 915

<211> 102

<212> PRT

<213> Homo sapiens

<400> 915

Met Asn Tyr Leu His Cys Asn Val Leu Leu Thr Leu Phe Cys Leu Leu
1 5 10 15

Phe Leu Leu His Ser Cys Ile Lys Ile Ile Lys His His Ser Gln Ala
20 25 30

Lys Arg Thr Arg Phe Pro Ser His Ile Ser His Lys Gly Glu Ala Asn
35 40 45

Thr His Gln Gly Gly Asn Tyr Thr Glu Leu Gly Trp Gly Leu Asp Ile
50 55 60

Tyr Phe Thr Ser Glu Leu Phe Ile Ser Ala Val Asn Leu Gly Glu Gly
65 70 75 80

Leu Gly Glu Val Leu Ser Gly Glu Gln Arg Gly Pro Gly Gly Lys Leu
85 90 95

Met Lys Thr Ser Asp Asp
100

<210> 916

<211> 85

<212> PRT

<213> Homo sapiens

<400> 916

Ile Lys Thr Val Phe Leu Gly Gln Arg Tyr Thr Asp Pro Asn Phe Ile
1 5 10 15

Ala Val Val Phe Ile His Leu Pro Ile Asp Ile Leu Lys Ala Pro Ala
20 25 30

Arg Pro Gly Thr Val Ala His Ala Cys Asn Leu Ser Thr Leu Val Gly
35 40 45

Arg Gly Gly Arg Ile Thr Arg Ser Arg Asp Gln Asp His Pro Gly Gln
50 55 60

Arg Gly Glu Thr Leu Ser Leu Leu Lys Ile Gln Lys Leu Ala Gly His
65 70 75 80

Gly Gly Ala Arg Leu
85

<210> 917

<211> 33

<212> PRT

<213> Homo sapiens

<400> 917

Met Ile Ser Cys Leu Cys Asn Phe Ile Ala His Cys Val Ala Leu Val
1 5 10 15

Met Arg Thr Cys Met Leu Val Val Ser Ser Asn Phe Ala Pro Ser Phe
20 25 30

Leu

<210> 918
<211> 33
<212> PRT
<213> Homo sapiens

<400> 918
Met Ile Ser Cys Leu Cys Asn Phe Ile Ala His Cys Val Ala Leu Val
1 5 10 15

Met Arg Thr Cys Met Leu Val Val Ser Ser Asn Phe Ala Pro Ser Phe
20 25 30

Leu

<210> 919
<211> 101
<212> PRT
<213> Homo sapiens

<400> 919
Val Asp Pro Arg Val Arg Thr Ser Ser Arg Ser Arg Ala Ala Ala Leu
1 5 10 15

Phe Glu Cys Phe Leu Met Val Phe Leu Leu Lys Cys Gln Val Asn Asn
20 25 30

Phe Asn Pro Ile Gln Gln Tyr Ser Leu Phe Pro Leu Lys Ser Ser Gly
35 40 45

Thr Cys Ser Ile Ser Leu Phe Cys Met Arg Gly Leu Tyr Phe Cys Leu
50 55 60

Gly Val Val Ile Cys Thr His Ala Ile Leu Leu Lys Pro Ser Cys Leu
65 70 75 80

Val Leu Phe Leu Glu Ser Phe Phe Phe Pro Val Leu Met Tyr Ala Gly
85 90 95

Phe Gly Asn Ser Ser
100

<210> 920
<211> 60
<212> PRT
<213> Homo sapiens

<400> 920
Met Arg Lys Trp Gly Leu Met Lys Leu Ile Ala Ser Met Met Gln Pro
1 5 10 15
Val Leu Leu Glu Leu Leu Ser Val Trp Arg Lys Glu Gly Arg Asp Ser
20 25 30
Arg Asn Ile His Asp Ser His Ser Met Tyr Val Leu Arg Lys Arg Leu
35 40 45
Ser Gly Ser Trp Leu Gln Gln Val Cys Thr Leu Leu
50 55 60

<210> 921
<211> 79
<212> PRT
<213> Homo sapiens

<400> 921
Met Arg Lys Trp Gly Leu Met Lys Leu Ile Ala Ser Met Met Gln Pro
1 5 10 15
Val Leu Leu Glu Leu Leu Ser Val Trp Arg Lys Glu Gly Arg Asp Ser
20 25 30
Arg Asn Ile His Asp Ser His Ser Met Tyr Val Leu Arg Lys Arg Leu
35 40 45
Ser Gly Ser Trp Leu Gln Ala Gly Leu Tyr Ser Thr Val Ile Ser Ala
50 55 60
Ala Leu Ile Leu Glu Ser Pro Arg Ala Cys Leu Pro Ser Lys Gly
65 70 75

<210> 922
<211> 245
<212> PRT
<213> Homo sapiens

<400> 922
Met Ala Asp Val Ser Ala Lys Asp Ser Ser Gln Glu Thr Leu Val Asn
1 5 10 15
Leu Ala Gly Leu Leu Val Ser Leu Leu Met Leu Pro Leu Val Ser Gly
20 25 30
Cys Pro Gly Phe Ser Leu Gly Cys Phe Phe Phe Leu Thr Ala Leu His
35 40 45

Ile Tyr Ala Asn Tyr Arg Ala Val Arg Ala Leu Val Met Glu Thr Leu
 50 55 60
 Asn Glu Gly Arg Leu Arg Leu Val Leu Lys His Tyr Leu Gln Arg Gly
 65 70 75 80
 Glu Val Leu Asp Pro Thr Ala Ala Asn Arg Met Glu Pro Leu Trp Thr
 85 90 95
 Gly Phe Trp Pro Ala Pro Ser Leu Ser Leu Gly Val Pro Leu His Arg
 100 105 110
 Leu Val Ser Ser Val Phe Glu Leu Gln Gln Leu Val Glu Gly His Gln
 115 120 125
 Glu Ser Tyr Leu Leu Cys Trp Asp Gln Ser Gln Asn Gln Val Gln Val
 130 135 140
 Val Leu Asn Gln Lys Ala Gly Pro Lys Thr Ile Leu Arg Ala Ala Thr
 145 150 155 160
 His Gly Leu Met Leu Gly Ala Leu Gln Gly Asp Gly Pro Leu Pro Ala
 165 170 175
 Glu Leu Glu Glu Leu Arg Asn Arg Val Arg Ala Gly Pro Lys Lys Glu
 180 185 190
 Ser Trp Val Val Val Lys Glu Thr His Glu Val Leu Asp Met Leu Phe
 195 200 205
 Pro Lys Phe Leu Lys Gly Leu Gln Asp Ala Gly Trp Lys Thr Glu Lys
 210 215 220
 His Gln Leu Glu Val Asp Glu Trp Arg Ala Thr Trp Leu Leu Ser Pro
 225 230 235 240
 Glu Lys Lys Val Leu
 245

<210> 923

<211> 75

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (62)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (63)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 923

Leu Pro Val Gln Asn Gly Cys Pro Glu Ser Ala Met Glu Met Asn Gly
1 5 10 15
Arg Ala Pro Cys Trp Glu Val Gly Leu Glu Glu Leu Ser Ser Arg Lys
20 25 30
Leu Thr Ala Gly Pro Gln Phe Pro Ser Glu Pro Gln Ala Pro Ala Pro
35 40 45
Ser Leu Phe Arg Gln Cys Leu Leu Trp Phe Cys Gly Met Xaa Xaa Gly
50 55 60
Gly Val Gly Ser Pro Pro Pro Leu Thr Gln Glu
65 70 75

<210> 924

<211> 186

<212> PRT

<213> Homo sapiens

<400> 924

Met Leu Pro Leu Val Ser Gly Cys Pro Gly Phe Ser Leu Gly Cys Phe
1 5 10 15
Phe Phe Leu Thr Ala Leu His Ile Tyr Ala Asn Tyr Arg Ala Val Arg
20 25 30
Ala Leu Val Met Glu Thr Leu Asn Glu Gly Arg Leu Arg Leu Val Leu
35 40 45
Lys His Tyr Leu Gln Arg Gly Glu Val Leu Asp Pro Thr Ala Ala Asn
50 55 60
Arg Met Glu Pro Leu Trp Thr Gly Phe Trp Pro Ala Pro Ser Leu Ser
65 70 75 80
Leu Gly Val Pro Leu His Arg Leu Val Ser Ser Val Phe Glu Leu Gln
85 90 95
Gln Leu Val Glu Gly His Gln Glu Ser Tyr Leu Leu Cys Trp Asp Gln
100 105 110
Ser Gln Asn Gln Val Gln Val Val Leu Asn Gln Lys Ala Gly Pro Lys
115 120 125
Thr Ile Leu Arg Ala Ala Thr His Gly Leu Met Leu Gly Ala Leu Gln
130 135 140
Gly Asp Gly Pro Leu Pro Ala Glu Leu Glu Glu Leu Arg Asn Arg Val
145 150 155 160
Arg Ala Gly Pro Arg Lys Arg Ala Gly Ser Ser Ser Arg Arg His Thr
165 170 175

Lys Cys Trp Thr Cys Cys Ser Gln Ser Ser
180 185

<210> 925
<211> 40
<212> PRT
<213> Homo sapiens

<400> 925
Met Arg Arg Gln Thr Phe Met Ser Ile Leu Val Phe Gln Cys Ser Pro
1 5 10 15
Ile Ser Phe Gly Leu Cys Ile Asn Lys Glu Arg Thr Val Val Ser Ser
20 25 30
Val Ile Thr Asp Asn Leu Cys Leu
35 40

<210> 926
<211> 40
<212> PRT
<213> Homo sapiens

<400> 926
Met Arg Arg Gln Thr Phe Met Ser Ile Leu Val Phe Gln Cys Ser Pro
1 5 10 15
Ile Ser Phe Gly Leu Cys Ile Asn Lys Glu Arg Thr Val Val Ser Ser
20 25 30
Val Ile Thr Asp Asn Leu Cys Leu
35 40

<210> 927
<211> 73
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 927
Ser Leu Leu Leu Ser Cys Cys Pro Leu Gly Asn Arg Ala Tyr Gly Ala
1 5 10 15
Thr Gly Ala Glu Val Ala Ser Arg Ala Ser Leu Glu Gly Ser Glu His
20 25 30
Ser Met Gln Arg Ser His Arg Glu Ala Gly Asn Gln Gly Pro Gly Arg

35 40 45
 Ala Ala Ser Cys Ala Ser Pro Ala Phe Val Met Xaa Phe Ser Phe Phe
 50 55 60

Thr His Cys Gln Ile Cys Phe Leu Pro
 65 70

<210> 928
 <211> 7
 <212> PRT
 <213> Homo sapiens

<400> 928
 Glu Ala Pro Trp Gln Phe Ser
 1 5

<210> 929
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 929
 Met Phe Leu Lys Ala Gln Trp Leu Tyr Ser Leu Leu Leu Asn Cys Leu
 1 5 10 15

Leu Pro Glu Gly Thr Ser Ser
 20

<210> 930
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 930
 Met Phe Leu Lys Ala Gln Trp Leu Tyr Ser Leu Leu Leu Asn Cys Leu
 1 5 10 15

Leu Pro Glu Gly Thr Ser Ser
 20

<210> 931
 <211> 64
 <212> PRT
 <213> Homo sapiens

<400> 931
 Arg Thr Leu Arg Met Ser Pro Ser Ala Phe Cys Tyr Ser Leu Thr Leu
 1 5 10 15

Leu Ala Cys Trp Arg Ala Ala Trp Ile Pro Thr Cys Val Pro Arg Ala
 20 25 30
 Ala Gly Glu Met Asp Ser Pro Gly Leu Ala Asp Gly His Trp Cys Ser
 35 40 45
 Gly Ala Ala Arg Arg Ser Pro His Tyr Val Ala Arg Ser Leu Val Leu
 50 55 60

<210> 932
 <211> 822
 <212> PRT
 <213> Homo sapiens

<400> 932
 Met Ala Ala Ala Val Val Val Ala Glu Gly Asp Ser Asp Ser Arg Pro
 1 5 10 15
 Gly Gln Glu Leu Leu Val Ala Trp Asn Thr Val Ser Thr Gly Leu Val
 20 25 30
 Pro Pro Ala Ala Leu Gly Leu Val Ser Ser Arg Thr Ser Gly Ala Val
 35 40 45
 Pro Pro Lys Glu Glu Glu Leu Arg Ala Ala Val Glu Val Leu Arg Gly
 50 55 60
 His Gly Leu His Ser Val Leu Glu Glu Trp Phe Val Glu Val Leu Gln
 65 70 75 80
 Asn Asp Leu Gln Ala Asn Ile Ser Pro Glu Phe Trp Asn Ala Ile Ser
 85 90 95
 Gln Cys Glu Asn Ser Ala Asp Glu Pro Gln Cys Leu Leu Leu Leu Leu
 100 105 110
 Asp Ala Phe Gly Leu Leu Glu Ser Arg Leu Asp Pro Tyr Leu Arg Ser
 115 120 125
 Leu Glu Leu Leu Glu Lys Trp Thr Arg Leu Gly Leu Leu Met Gly Thr
 130 135 140
 Gly Ala Gln Gly Leu Arg Glu Glu Val His Thr Met Leu Arg Gly Val
 145 150 155 160
 Leu Phe Phe Ser Thr Pro Arg Thr Phe Gln Glu Met Ile Gln Arg Leu
 165 170 175
 Tyr Gly Cys Phe Leu Arg Val Tyr Met Gln Ser Lys Arg Lys Gly Glu
 180 185 190

Gly	Gly	Thr	Asp	Pro	Glu	Leu	Glu	Gly	Glu	Leu	Asp	Ser	Arg	Tyr	Ala		
	195						200					205					
Arg	Arg	Arg	Tyr	Tyr	Arg	Leu	Leu	Gln	Ser	Pro	Leu	Cys	Ala	Gly	Cys		
	210					215					220						
Ser	Ser	Asp	Lys	Gln	Gln	Cys	Trp	Cys	Arg	Gln	Ala	Leu	Glu	Gln	Phe		
225				230						235					240		
His	Gln	Leu	Ser	Gln	Val	Leu	His	Arg	Leu	Ser	Leu	Leu	Glu	Arg	Val		
				245					250					255			
Ser	Ala	Glu	Ala	Val	Thr	Thr	Thr	Leu	His	Gln	Val	Thr	Arg	Glu	Arg		
		260						265					270				
Met	Glu	Asp	Arg	Cys	Arg	Gly	Glu	Tyr	Glu	Arg	Ser	Phe	Leu	Arg	Glu		
	275						280					285					
Phe	His	Lys	Trp	Ile	Glu	Arg	Val	Val	Gly	Trp	Leu	Gly	Lys	Val	Phe		
	290					295					300						
Leu	Gln	Asp	Gly	Pro	Ala	Arg	Pro	Ala	Ser	Pro	Glu	Ala	Gly	Asn	Thr		
305				310						315					320		
Leu	Arg	Arg	Trp	Arg	Cys	His	Val	Gln	Arg	Phe	Phe	Tyr	Arg	Ile	Tyr		
				325					330					335			
Ala	Ser	Leu	Arg	Ile	Glu	Glu	Leu	Phe	Ser	Ile	Val	Arg	Asp	Phe	Pro		
		340						345					350				
Asp	Ser	Arg	Pro	Ala	Ile	Glu	Asp	Leu	Lys	Tyr	Cys	Leu	Glu	Arg	Thr		
	355						360					365					
Asp	Gln	Arg	Gln	Gln	Leu	Leu	Val	Ser	Leu	Lys	Ala	Ala	Leu	Glu	Thr		
	370				375						380						
Arg	Leu	Leu	His	Pro	Gly	Val	Asn	Thr	Cys	Asp	Ile	Ile	Thr	Leu	Tyr		
385				390						395					400		
Ile	Ser	Ala	Ile	Lys	Ala	Leu	Arg	Val	Leu	Asp	Pro	Ser	Met	Val	Ile		
			405						410					415			
Leu	Glu	Val	Ala	Cys	Glu	Pro	Ile	Arg	Arg	Tyr	Leu	Arg	Thr	Arg	Glu		
		420						425					430				
Asp	Thr	Val	Arg	Gln	Ile	Val	Ala	Gly	Leu	Thr	Gly	Asp	Ser	Asp	Gly		
	435					440						445					
Thr	Gly	Asp	Leu	Ala	Val	Glu	Leu	Ser	Lys	Thr	Asp	Pro	Ala	Ser	Leu		
	450					455					460						
Glu	Thr	Gly	Gln	Asp	Ser	Glu	Asp	Asp	Ser	Gly	Glu	Pro	Glu	Asp	Trp		
465				470						475					480		
Val	Pro	Asp	Pro	Val	Asp	Ala	Asp	Pro	Gly	Lys	Ser	Ser	Ser	Lys	Arg		
			485					490						495			

Arg	Ser	Ser	Asp	Ile	Ile	Ser	Leu	Leu	Val	Ser	Ile	Tyr	Gly	Ser	Lys	500	505	510
Asp	Leu	Phe	Ile	Asn	Glu	Tyr	Arg	Ser	Leu	Leu	Ala	Asp	Arg	Leu	Leu	515	520	525
His	Gln	Phe	Ser	Phe	Ser	Pro	Glu	Arg	Glu	Ile	Arg	Asn	Val	Glu	Leu	530	535	540
Leu	Lys	Leu	Arg	Phe	Gly	Glu	Ala	Pro	Met	His	Phe	Cys	Glu	Val	Met	545	550	555
Leu	Lys	Asp	Met	Ala	Asp	Ser	Arg	Arg	Ile	Asn	Ala	Asn	Ile	Arg	Glu	565	570	575
Glu	Asp	Glu	Lys	Arg	Pro	Ala	Glu	Glu	Gln	Pro	Pro	Phe	Gly	Val	Tyr	580	585	590
Ala	Val	Ile	Leu	Ser	Ser	Glu	Phe	Trp	Pro	Pro	Phe	Lys	Asp	Glu	Lys	595	600	605
Leu	Glu	Val	Pro	Glu	Asp	Ile	Arg	Ala	Ala	Leu	Glu	Ala	Tyr	Cys	Lys	610	615	620
Lys	Tyr	Glu	Gln	Leu	Lys	Ala	Met	Arg	Thr	Leu	Ser	Trp	Lys	His	Thr	625	630	635
Leu	Gly	Leu	Val	Thr	Met	Asp	Val	Glu	Leu	Ala	Asp	Arg	Thr	Leu	Ser	645	650	655
Val	Ala	Val	Thr	Pro	Val	Gln	Ala	Val	Ile	Leu	Leu	Tyr	Phe	Gln	Asp	660	665	670
Gln	Ala	Ser	Trp	Thr	Leu	Glu	Glu	Leu	Ser	Lys	Ala	Val	Lys	Met	Pro	675	680	685
Val	Ala	Leu	Leu	Arg	Arg	Arg	Met	Ser	Val	Trp	Leu	Gln	Gln	Gly	Val	690	695	700
Leu	Arg	Glu	Glu	Pro	Pro	Gly	Thr	Phe	Ser	Val	Ile	Glu	Glu	Glu	Arg	705	710	715
Pro	Gln	Asp	Arg	Asp	Asn	Met	Val	Leu	Ile	Asp	Ser	Asp	Asp	Glu	Ser	725	730	735
Asp	Ser	Gly	Met	Ala	Ser	Gln	Ala	Asp	Gln	Lys	Glu	Glu	Glu	Leu	Leu	740	745	750
Leu	Phe	Trp	Thr	Tyr	Ile	Gln	Ala	Met	Leu	Thr	Asn	Leu	Glu	Ser	Leu	755	760	765
Ser	Leu	Asp	Arg	Ile	Tyr	Asn	Met	Leu	Arg	Met	Phe	Val	Val	Thr	Gly	770	775	780
Pro	Ala	Leu	Ala	Glu	Ile	Asp	Leu	Gln	Glu	Leu	Gln	Gly	Tyr	Leu	Gln	785	790	795

Lys Lys Val Arg Asp Gln Gln Leu Val Tyr Ser Ala Gly Val Tyr Arg
805 810 815

Leu Pro Lys Asn Cys Ser
820

<210> 933
<211> 157
<212> PRT
<213> Homo sapiens

<400> 933
Met Ser Pro Trp Leu Leu Leu Leu Val Val Gly Ser Trp Leu Leu
1 5 10 15

Ala Arg Ile Leu Ala Trp Thr Tyr Ala Phe Tyr Asn Asn Cys Arg Arg
20 25 30

Leu Gln Cys Phe Pro Gln Pro Pro Lys Arg Asn Trp Phe Trp Gly His
35 40 45

Leu Gly Leu Ile Thr Pro Thr Glu Glu Gly Leu Lys Asp Ser Thr Gln
50 55 60

Met Ser Ala Thr Tyr Ser Gln Gly Phe Thr Val Trp Leu Gly Pro Ile
65 70 75 80

Ile Pro Phe Ile Val Leu Cys His Pro Asp Thr Ile Arg Ser Ile Thr
85 90 95

Asn Ala Ser Ala Ala Ile Ala Pro Lys Asp Asn Leu Phe Ile Arg Phe
100 105 110

Leu Lys Pro Trp Leu Gly Glu Tyr Leu Gln Val Lys Gly Val Gly Asp
115 120 125

Asn Leu Ala Gly Arg Val Gly Glu Val Leu Leu Leu Pro Ile Val Leu
130 135 140

Gly Cys Pro Thr Arg Arg Arg Asp Thr Ala Glu Trp Arg
145 150 155

<210> 934
<211> 13
<212> PRT
<213> Homo sapiens

<400> 934
Leu Val Ile Gly Gly Trp Gly Gln Arg Arg Leu Tyr Arg
1 5 10

<210> 935
<211> 126
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (119)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 935
Met Ser Pro Trp Leu Leu Leu Leu Val Val Gly Ser Trp Leu Leu
1 5 10 15
Ala Arg Ile Leu Ala Trp Thr Tyr Ala Phe Tyr Asn Asn Cys Arg Arg
20 25 30
Leu Gln Cys Phe Pro Gln Pro Pro Lys Arg Asn Trp Phe Trp Gly His
35 40 45
Leu Gly Leu Ile Thr Pro Thr Glu Glu Gly Leu Lys Asp Ser Thr Gln
50 55 60
Met Ser Ala Thr Tyr Ser Gln Gly Phe Thr Val Trp Leu Gly Pro Ile
65 70 75 80
Ile Pro Phe Ile Val Leu Cys His Pro Asp Thr Ile Arg Ser Ile Thr
85 90 95
Asn Ala Ser Ala Ala Ile Ala Pro Lys Asp Asn Leu Phe Ile Arg Phe
100 105 110
Leu Lys Pro Trp Leu Gly Xaa Arg Asp Thr Ala Glu Trp Arg
115 120 125

<210> 936
<211> 90
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 936

Gln Asn Thr Ile Glu Cys Gly Ser Ser Thr Ala Gly Val Cys Cys Ser
1 5 10 15
Gln Leu Trp Arg Leu Xaa Val Gln Xaa Xaa Gly Thr Gly Arg Leu His
20 25 30
Val Trp Trp Gly Pro Ala Ser Trp Ser Ile Ala Ser Thr Phe Ser Leu
35 40 45
His Pro Tyr Val Val Glu Glu Ala Gly Glu Leu Ser Gly Val Ser Phe
50 55 60
Val Thr Pro Phe Leu Arg Leu Val His Ser His Asp Leu Ile Thr Ser
65 70 75 80
Gln Arg Pro Cys Leu Leu Thr Pro Leu Pro
85 90

<210> 937

<211> 58

<212> PRT

<213> Homo sapiens

<400> 937

Met Lys Leu Thr Phe Ser Phe Pro Trp Phe Thr Leu Thr Ala Leu Gln
1 5 10 15
Leu Trp Ser Ala Thr Glu Cys Gln Ala Val Val Asp Thr Met Ile Ala
20 25 30
Val Trp Ser Glu Gly Lys Gly Thr Gly Val Ser Trp Glu Pro Trp Leu
35 40 45
Leu Gly Lys Leu Gln Ser Ser Ser Phe Leu
50 55

<210> 938

<211> 34

<212> PRT

<213> Homo sapiens

<400> 938

Leu Cys Val Ser His Pro Gly Ile Thr Cys Thr Pro Leu Trp Leu Cys
1 5 10 15
Val Ile Ser Gln Asn Met Glu Leu Ile Leu Met Phe Arg Arg Pro Lys
20 25 30
Leu Thr

<210> 939
<211> 6
<212> PRT
<213> Homo sapiens

<400> 939
Thr Leu Thr Ala Lys Thr
1 5

<210> 940
<211> 58
<212> PRT
<213> Homo sapiens

<400> 940
Met Lys Leu Thr Phe Ser Phe Pro Trp Phe Thr Leu Thr Ala Leu Gln
1 5 10 15
Leu Trp Ser Ala Thr Glu Cys Gln Ala Val Val Asp Thr Met Ile Ala
20 25 30
Val Trp Ser Glu Gly Lys Gly Thr Gly Val Ser Trp Glu Pro Trp Leu
35 40 45
Leu Gly Lys Leu Gln Ser Ser Ser Phe Leu
50 55

<210> 941
<211> 44
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 941
Leu Lys Xaa Ile Thr Ile Cys Cys Leu Gln Lys Thr His Leu His Ser
1 5 10 15
Lys Gly Thr Glu Arg Met Lys Val Lys Gly Trp Glu Arg Val Tyr Trp
20 25 30
Gly Asn Ile Thr Glu Gly Asn Met Met Asn Leu Tyr
35 40

<210> 942
<211> 9
<212> PRT

<213> Homo sapiens

<400> 942

Leu Gly Ala Phe Ser Trp Ser Pro Lys
1 5

<210> 943

<211> 96

<212> PRT

<213> Homo sapiens

<400> 943

Met Ala Arg Ser Leu Leu Ile Ile Leu Gly Ala Asp Phe Thr Phe Pro
1 5 10 15

Thr Ser Phe Asn Cys Phe Gln Lys Met Asn Leu Ala Lys Lys Ser Arg
20 25 30

Gly Ser Phe Thr His Leu Leu Thr His Ser Trp Cys Leu Ser Leu Phe
35 40 45

Leu Lys Glu Ala Asp Gln Gly Leu Arg Glu Asn Asn Phe Asp Phe Ser
50 55 60

His Val Cys Pro Ser Lys Pro Pro Leu Trp Thr Asp Ser Pro Ser Val
65 70 75 80

Pro Gly Arg Asn Trp Asp Asn Pro Arg Thr Phe Leu Val Pro Ser Arg
85 90 95

<210> 944

<211> 96

<212> PRT

<213> Homo sapiens

<400> 944

Met Ala Arg Ser Leu Leu Ile Ile Leu Gly Ala Asp Phe Thr Phe Pro
1 5 10 15

Thr Ser Phe Asn Cys Phe Gln Lys Met Asn Leu Ala Lys Lys Ser Arg
20 25 30

Gly Ser Phe Thr His Leu Leu Thr His Ser Trp Cys Leu Ser Leu Phe
35 40 45

Leu Lys Glu Ala Asp Gln Gly Leu Arg Glu Asn Asn Phe Asp Phe Ser
50 55 60

His Val Cys Pro Ser Lys Pro Pro Leu Trp Thr Asp Ser Pro Ser Val
65 70 75 80

Pro Gly Arg Asn Trp Asp Asn Pro Arg Thr Phe Leu Val Pro Ser Arg
85 90 95

<210> 945
<211> 26
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 945
Met Leu Xaa Phe Xaa Phe Phe Leu Leu Phe Phe Phe Phe Phe Trp Trp
1 5 10 15

Cys Cys Leu Ala Phe Phe Ser Phe Pro Phe
20 25

<210> 946
<211> 77
<212> PRT
<213> Homo sapiens

<400> 946
Met Leu Leu Phe Phe Phe Phe Leu Leu Phe Phe Phe Phe Phe Trp
1 5 10 15

Leu Val Leu Phe Gly Ile Phe Phe Phe Ser Phe Leu Lys Lys Met Phe
20 25 30

Ser Gly Asn Met Asn Lys His Thr Ala Asn Tyr Ser Gly Ala Gly Lys
35 40 45

Ala Gln Glu Leu Ala Thr Ser Gln Leu His Ser Trp Asp Gly Lys Pro
50 55 60

Cys Cys Glu Leu Leu Arg Leu Phe Thr Tyr Phe Thr Tyr
65 70 75

<210> 947

<211> 77
<212> PRT
<213> Homo sapiens

<400> 947

Met	Leu	Leu	Phe	Phe	Phe	Phe	Leu	Leu	Phe	Phe	Phe	Phe	Phe	Phe	Trp
1				5					10					15	
Leu	Val	Leu	Phe	Gly	Ile	Phe	Phe	Phe	Ser	Phe	Leu	Lys	Lys	Met	Phe
			20					25					30		
Ser	Gly	Asn	Met	Asn	Lys	His	Thr	Ala	Asn	Tyr	Ser	Gly	Ala	Gly	Lys
		35					40					45			
Ala	Gln	Glu	Leu	Ala	Thr	Ser	Gln	Leu	His	Ser	Trp	Asp	Gly	Lys	Pro
	50					55					60				
Cys	Cys	Glu	Leu	Leu	Arg	Leu	Phe	Thr	Tyr	Phe	Thr	Tyr			
65					70					75					

<210> 948
<211> 11
<212> PRT
<213> Homo sapiens

<400> 948

Met	Trp	Arg	Trp	Leu	Ser	Ser	Phe	Trp	Leu	Leu
1				5					10	

<210> 949
<211> 11
<212> PRT
<213> Homo sapiens

<400> 949

Met	Trp	Arg	Trp	Leu	Ser	Ser	Phe	Trp	Leu	Leu
1				5					10	

<210> 950
<211> 378
<212> PRT
<213> Homo sapiens

<400> 950

Ala	Arg	Glu	Lys	Pro	Tyr	Leu	Val	Glu	Glu	Ala	Val	Ser	Tyr	Asn	Glu
1				5					10					15	
Leu	Asp	Tyr	Val	Ser	Val	Gly	Leu	Asp	Gln	Gln	Thr	Val	Lys	Leu	Val
			20					25					30		
Cys	Thr	Asn	Arg	Arg	Lys	Gln	Phe	Leu	Leu	Asp	Thr	Ala	Asp	Val	Ala

35					40					45					
Leu	Ala	Glu	Phe	Phe	Leu	Ala	Ser	Leu	Lys	Ser	Ala	Met	Ile	Lys	Gly
50					55					60					
Cys	Arg	Glu	Pro	Pro	Tyr	Pro	Ser	Ile	Leu	Thr	Asp	Ala	Thr	Met	Glu
65					70					75					80
Lys	Leu	Ala	Leu	Ala	Lys	Phe	Val	Ala	Gln	Glu	Ser	Lys	Cys	Glu	Ala
				85					90					95	
Ser	Ala	Val	Thr	Val	Arg	Phe	Tyr	Gly	Leu	Val	His	Trp	Glu	Asp	Pro
			100					105					110		
Thr	Asp	Glu	Ser	Leu	Gly	Pro	Thr	Pro	Cys	His	Cys	Ser	Pro	Pro	Glu
		115					120					125			
Gly	Thr	Ile	Thr	Lys	Glu	Gly	Met	Leu	His	Tyr	Lys	Ala	Gly	Thr	Ser
	130					135					140				
Tyr	Leu	Gly	Lys	Glu	His	Trp	Lys	Thr	Cys	Phe	Val	Val	Leu	Ser	Asn
145					150					155					160
Gly	Ile	Leu	Tyr	Gln	Tyr	Pro	Asp	Arg	Thr	Asp	Val	Ile	Pro	Leu	Leu
				165					170					175	
Ser	Val	Asn	Met	Gly	Gly	Glu	Gln	Cys	Gly	Gly	Cys	Arg	Arg	Ala	Asn
			180					185					190		
Thr	Thr	Asp	Arg	Pro	His	Ala	Phe	Gln	Val	Ile	Leu	Ser	Asp	Arg	Pro
		195					200					205			
Cys	Leu	Glu	Leu	Ser	Ala	Glu	Ser	Glu	Ala	Glu	Met	Ala	Glu	Trp	Met
	210					215					220				
Gln	His	Leu	Cys	Gln	Ala	Val	Ser	Lys	Gly	Val	Ile	Pro	Gln	Gly	Val
225					230					235					240
Ala	Pro	Ser	Pro	Cys	Ile	Pro	Cys	Cys	Leu	Val	Leu	Thr	Asp	Asp	Arg
				245					250					255	
Leu	Phe	Thr	Cys	His	Glu	Asp	Cys	Gln	Thr	Ser	Phe	Phe	Arg	Ser	Leu
			260					265					270		
Gly	Thr	Ala	Lys	Leu	Gly	Asp	Ile	Ser	Ala	Val	Ser	Thr	Glu	Pro	Gly
		275					280					285			
Lys	Glu	Tyr	Cys	Val	Leu	Glu	Phe	Ser	Gln	Asp	Ser	Gln	Gln	Leu	Leu
	290					295					300				
Pro	Pro	Trp	Val	Ile	Tyr	Leu	Ser	Cys	Thr	Ser	Glu	Leu	Asp	Arg	Leu
305					310					315					320
Leu	Ser	Ala	Leu	Asn	Ser	Gly	Trp	Lys	Thr	Ile	Tyr	Gln	Val	Asp	Leu
				325					330					335	
Pro	His	Thr	Ala	Ile	Gln	Glu	Ala	Ser	Asn	Lys	Lys	Lys	Phe	Glu	Asp

340 345 350
 Ala Leu Ser Leu Ile His Ser Ala Trp Gln Arg Ser Asp Ser Leu Cys
 355 360 365

Arg Gly Arg Ala Ser Arg Asp Pro Trp Cys
 370 375

<210> 951
 <211> 134
 <212> PRT
 <213> Homo sapiens

<400> 951
 Ser Pro Ala Arg His Pro Thr Thr Ser Ser Arg His Thr Trp Trp Glu
 1 5 10 15

Ser Gly Asn Ala Val Pro Pro Gly Ser Pro Phe His Gly Arg Pro Leu
 20 25 30

Leu Leu Leu Gln Pro Ala Gly Pro Val Pro Phe Gln Asp Gln Pro Phe
 35 40 45

Asp Pro Ser Gln Gly Pro Trp Pro Gly Leu His Cys Arg Pro Gln Gly
 50 55 60

Leu Met His Ser Met Cys Leu Pro Asp Leu Thr Pro Glu Asp Gly Gly
 65 70 75 80

Lys Ala Gln Asp His Thr Ala Leu Gly His Ser Arg Glu Gln Asp Thr
 85 90 95

Pro Gly Val Gln Glu Asn Phe Gln Gly Ala Ala Pro Leu Asp Arg Tyr
 100 105 110

Thr Arg Arg Phe Asn Thr Leu Tyr Tyr Leu Gly Asn Gln Arg Arg Gly
 115 120 125

Ile Ile Lys Thr Arg Lys
 130

<210> 952
 <211> 58
 <212> PRT
 <213> Homo sapiens

<400> 952
 Met Ala Thr Ala Ser Ile Asn Asn Leu Ile Ser Ser Leu Leu Leu His
 1 5 10 15

Leu Ser Leu Leu Ser Ser Lys Ala Gly Lys Phe Leu Ile Trp Lys Glu
 20 25 30

His Lys Thr Ala Cys Gly Cys Tyr Ala Asn Ser Thr Cys Leu Leu Pro
35 40 45

Asn Gly Leu Ser Asn His Lys Gly Lys Ser
50 55

<210> 953
<211> 58
<212> PRT
<213> Homo sapiens

<400> 953
Met Ala Thr Ala Ser Ile Asn Asn Leu Ile Ser Ser Leu Leu Leu His
1 5 10 15

Leu Ser Leu Leu Ser Ser Lys Ala Gly Lys Phe Leu Ile Trp Lys Glu
20 25 30

His Lys Thr Ala Cys Gly Cys Tyr Ala Asn Ser Thr Cys Leu Leu Pro
35 40 45

Asn Gly Leu Ser Asn His Lys Gly Lys Ser
50 55

<210> 954
<211> 63
<212> PRT
<213> Homo sapiens

<400> 954
Glu Asn Lys Arg Leu His Phe Gly Glu Ala Ser Thr Leu Ser Gly Leu
1 5 10 15

Leu Phe Cys Phe Met Ser Trp Cys Leu Gly Glu Asp Leu Ala Gly Phe
20 25 30

Ile Gln Ser Gly Arg Val Trp Ala Ile Leu Glu Asn Val Pro Ser Ile
35 40 45

Ser Glu Asn Lys Ser Ala Pro Ser Thr Cys Leu His Pro Gly Asp
50 55 60

<210> 955
<211> 77
<212> PRT
<213> Homo sapiens

<400> 955
Met Ala Gly Leu Gly Leu Leu Ser Leu Val Gln Phe Ser Val Thr Gly
1 5 10 15

Gly His Trp Thr Gly Ile Ala Asp Ser Leu Val Ala Thr Leu Gly Cys
 20 25 30
 Arg Leu Ser Gly Ser Val Pro Pro Pro Leu Leu Pro Ala Pro Ser Gly
 35 40 45
 His Ser Arg Ala Leu His Gln Thr Leu Thr Trp Cys Leu His Leu Leu
 50 55 60
 Ser Leu Ser Pro Ser Ser Asn Pro Trp Lys Ser Leu Val
 65 70 75

<210> 956
 <211> 77
 <212> PRT
 <213> Homo sapiens

<400> 956
 Met Ala Gly Leu Gly Leu Leu Ser Leu Val Gln Phe Ser Val Thr Gly
 1 5 10 15
 Gly His Trp Thr Gly Ile Ala Asp Ser Leu Val Ala Thr Leu Gly Cys
 20 25 30
 Arg Leu Ser Gly Ser Val Pro Pro Pro Leu Leu Pro Ala Pro Ser Gly
 35 40 45
 His Ser Arg Ala Leu His Gln Thr Leu Thr Trp Cys Leu His Leu Leu
 50 55 60
 Ser Leu Ser Pro Ser Ser Asn Pro Trp Lys Ser Leu Val
 65 70 75

<210> 957
 <211> 27
 <212> PRT
 <213> Homo sapiens

<400> 957
 Met Arg Ala Arg Thr Leu Pro Pro Ser Leu Leu Cys Leu Trp Cys Leu
 1 5 10 15
 Ala Pro Tyr Leu Asn Ile Cys Trp Met Asn Gly
 20 25

<210> 958
 <211> 28
 <212> PRT
 <213> Homo sapiens

<220>

<221> SITE
 <222> (14)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 958
 Ala Gln Trp Leu Thr Pro Val Ile Pro Ala Leu Trp Trp Xaa Glu Glu
 1 5 10 15

 Gly Gly Ser Pro Glu Val Arg Ser Ser Arg Pro Ala
 20 25

<210> 959
 <211> 27
 <212> PRT
 <213> Homo sapiens

<400> 959
 Met Arg Ala Arg Thr Leu Pro Pro Ser Leu Leu Cys Leu Trp Cys Leu
 1 5 10 15

 Ala Pro Tyr Leu Asn Ile Cys Trp Met Asn Gly
 20 25

<210> 960
 <211> 13
 <212> PRT
 <213> Homo sapiens

<400> 960
 Pro Pro Arg Ala Ser Trp Ser Pro Arg Glu His Val Leu
 1 5 10

<210> 961
 <211> 70
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (2)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (3)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 961
 Met Xaa Xaa His Glu Ser Ile Leu Leu Val Ser Leu Asp Leu Leu Pro
 1 5 10 15

Thr Ser Ile Leu Leu Val Ser Leu Trp Ile Cys Ser Pro Pro Pro Ser
 20 25 30
 Ser Trp Val Asn Pro Gly Ser Phe Val Gly Tyr Leu Glu Arg Lys Arg
 35 40 45
 Gln Lys Leu Ile Cys Gln Met Thr Arg Thr Asn Arg Leu Phe Gly Met
 50 55 60
 Lys Arg Lys Thr Ser Gly
 65 70

<210> 962
 <211> 53
 <212> PRT
 <213> Homo sapiens

 <220>
 <221> SITE
 <222> (47)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 962
 Ser Leu Ala Leu Asn Ser Pro Pro Pro Gly Leu Arg Val Pro Arg Glu
 1 5 10 15
 Glu Arg Leu Leu Ala Thr Ser Leu Leu Gln Gly Ala Leu Pro Ala Gly
 20 25 30
 Pro Cys Pro Ser Thr Thr Leu Leu Ser Trp His Arg Pro Ala Xaa Pro
 35 40 45
 Pro Gly Ala Gln Gly
 50

<210> 963
 <211> 65
 <212> PRT
 <213> Homo sapiens

 <400> 963
 Ser Ile Leu Leu Val Ser Leu Asp Leu Leu Pro Thr Ser Ile Leu Leu
 1 5 10 15
 Val Ser Leu Trp Ile Cys Ser Pro Pro Pro Ser Ser Trp Val Asn Pro
 20 25 30
 Gly Ser Phe Val Gly Tyr Leu Glu Arg Lys Arg Gln Lys Leu Ile Cys
 35 40 45
 Gln Met Thr Arg Thr Asn Arg Leu Phe Gly Met Lys Arg Lys Thr Ser
 50 55 60

Gly
65

<210> 964
<211> 3
<212> PRT
<213> Homo sapiens

<400> 964
Asp Leu Lys
1

<210> 965
<211> 9
<212> PRT
<213> Homo sapiens

<400> 965
Met Asn Glu Lys Phe Leu Pro Pro Leu
1 5

<210> 966
<211> 51
<212> PRT
<213> Homo sapiens

<400> 966
Met Leu Arg Pro Pro Arg Trp Ala Leu Met Ala Ala Ser Ser His Pro
1 5 10 15

Pro Pro Leu Trp Ser Trp Val Leu Gly Leu Ala Ala His Pro Thr Gly
20 25 30

Met Ser Pro Gly Thr Gly Pro His His Gly Trp Val Ser Ala Ser Ser
35 40 45

Ser Ser Ser
50

<210> 967
<211> 244
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (231)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (237)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 967
Met Arg Ala Pro Phe Asn Thr Leu Phe Gly Arg Leu Phe Gly Leu Leu
1 5 10 15
Leu Val Ala Ile Val Leu Ala His Xaa Leu Ala Phe Phe Trp Phe His
20 25 30
His Tyr Gly Pro Pro Pro Pro Xaa Xaa Ala Xaa Phe Val Glu Gln Pro
35 40 45
Asp Gly Ser Leu Thr Pro Leu Arg Lys Ala Pro Arg Pro Trp Phe Gly
50 55 60
Gly Pro Val Val Pro Leu Thr Phe Gln Phe Ile Ser Leu Ile Ile Ala
65 70 75 80
Ala Trp Tyr Gly Ala Lys Leu Leu Ser Arg Pro Ile Gln Arg Leu Ser
85 90 95
Ala Ala Ala Glu Arg Leu Ser Val Asp Leu Asp Ser Pro Pro Leu Val
100 105 110
Glu Thr Gly Pro Arg Glu Ala Arg Gln Ala Ala Ser Thr Phe Asn Leu
115 120 125
Met Gln Lys Arg Ile Arg Glu Gln Val Ser Gln Arg Ala Arg Met Leu
130 135 140
Gly Ala Val Ser His Asp Leu Arg Thr Pro Leu Ser Arg Leu Lys Leu
145 150 155 160
Arg Leu Glu Gln Ile Glu Asp Pro Lys Leu Gln Gly Gln Met Arg Gln

115		120		125
Met Gln Lys Arg Ile Arg Glu Gln Val Ser Gln Arg Ala Arg Met Leu				
130		135		140
Gly Ala Val Ser His Asp Leu Arg Thr Pro Leu Ser Arg Leu Lys Leu				
145		150		155
				160
Arg Leu Glu Gln Ile Glu Asp Pro Lys Leu Gln Gly Gln Met Arg Gln				
		165		170
				175
Asp Leu Asp Asp Met Ile Gly Met Leu Asp Ala Thr Leu Ser Tyr Leu				
		180		185
				190
His Glu Gln Arg Thr Ser Glu Thr Arg His Trp Leu Asp Val Gln Ala				
		195		200
				205
Leu Val Glu Ser Leu Ser Glu Asn Ala Gln Asp Gln Gly Arg Asp Val				
		210		215
				220
Gln Phe Phe Phe Gly Gly Xaa Pro Pro Gly Gly Gly Xaa Pro Lys Thr				
225		230		235
				240
Pro Pro Pro Phe				

<210> 969
 <211> 85
 <212> PRT
 <213> Homo sapiens

<400> 969
Gly Ile Gly Ser Arg Val Arg Ala Ala Phe Ile Ala Leu Glu Pro Ser
1 5 10 15
Leu Gly Met Gly Phe Ser Lys Asn Trp Gln Ala His Arg Leu Pro Ser
20 25 30
Lys Trp Val Arg Thr Ala Tyr Pro Ser Ile Glu Thr His Tyr Leu Phe
35 40 45
Tyr Leu Phe Leu Ser Gly Ser Gly Ala Arg Cys Ser Tyr Phe Ser His
50 55 60
Leu Arg Trp Asp Ile Leu Gly Gln Thr Arg Glu Ile Leu Glu Ala Ile
65 70 75 80
Ser Val Val Asn Pro
85

<210> 970
 <211> 54
 <212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (35)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (46)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 970

Met Lys Thr Val Ser Leu Leu Leu Thr Leu Trp Phe Ser Gln Thr Phe
1 5 10 15

Ser Phe Asn Leu Phe Phe Ala Pro Pro His Ser Leu Leu Gln Ser Ser
20 25 30

Ile Xaa Xaa Ser Val Ser Ser Ile Thr Thr Val His Pro Xaa Leu Gly
35 40 45

Leu Leu Phe Cys Ile Leu
50

<210> 971

<211> 37

<212> PRT

<213> Homo sapiens

<400> 971

Ile Leu Leu Gly Leu Trp Gln Ser Val Leu Gly Ser Ser Ile Trp Gly
1 5 10 15

Gln Pro Leu Ser Tyr Asn Cys Gln Glu Pro His Asn Cys Leu Phe Asn
20 25 30

His Ser Asp Phe Lys
35

<210> 972

<211> 56

<212> PRT

<213> Homo sapiens

<400> 972

Met Lys Thr Val Ser Leu Leu Leu Thr Leu Trp Phe Ser Gln Thr Phe
1 5 10 15

Ser Phe Asn Leu Phe Phe Ala Pro Pro His Ser Leu Leu Gln Ser Ser
20 25 30

Ile Phe Phe Ser Val Ser Ser Ile Thr Thr Val His Pro Ile Leu Val
35 40 45

Phe Phe Phe Ala Phe Phe Arg Thr
50 55

<210> 973

<211> 65

<212> PRT

<213> Homo sapiens

<400> 973

Lys Leu Thr Gln Ala Gly Ser Gly Tyr Val His Arg Glu Ile Phe Pro
1 5 10 15

Arg Val Cys Phe Phe Asp Ile Leu Ser Pro Ser Phe Tyr Leu Leu Ala
20 25 30

Gly Ile Ser Cys Pro Thr Thr Pro Val Ile Ile Cys Lys Pro Leu Tyr
35 40 45

Ser Phe Gln Cys Leu Lys Val Ile His Lys Glu Gly Arg Asn Lys Arg
50 55 60

Val
65

<210> 974

<211> 11

<212> PRT

<213> Homo sapiens

<400> 974

Met Thr Leu Ser Asn Trp Glu Tyr Gly Phe His
1 5 10

<210> 975

<211> 60

<212> PRT

<213> Homo sapiens

<400> 975

Met Pro Phe Tyr Tyr Ala Gly Leu Ile Leu Met Glu Met Arg Leu Thr
1 5 10 15

Ile Ala Lys Thr Pro Val Glu Thr Gln Gln Ser Trp Pro Ala Phe Leu
20 25 30

Trp Tyr Phe Gly Cys Gly Ser Cys Asp Gly Tyr Ser Ile Lys His Cys
35 40 45

Ile Ser Leu His Leu Leu Ser Phe Ser Leu Gln Lys
50 55 60

<210> 976
<211> 24
<212> PRT
<213> Homo sapiens

<400> 976
Ile Cys Leu Trp Gly Arg Pro Asn Leu Thr Thr Gln Gly Thr Leu Lys
1 5 10 15

Gly Ile Ser Gly Arg Arg Ser Gln
20

<210> 977
<211> 128
<212> PRT
<213> Homo sapiens

<400> 977
Pro Glu Thr Phe Leu Leu Val Thr Gly Ser Gln Trp Gly Ile Leu Gly
1 5 10 15

Cys Gln Gly Pro Arg Val Thr Cys Val Gln Leu Phe Tyr Gly Ser Arg
20 25 30

Gly Leu Ser Leu Arg Gln Ala Thr Lys Cys Pro Gly Cys His Pro Pro
35 40 45

Trp Ser Pro Ser Val Pro His Ala Trp Ser Pro Ala Ser Pro Arg Ile
50 55 60

Pro Val Ala Phe Ile Ser Gly Gln Leu Pro Ala Arg Pro Gly Leu Gly
65 70 75 80

His Gly Leu Arg His Glu Ala Arg Pro Pro Pro Ala Pro Leu Pro Arg
85 90 95

Gly Ser Ser Ile Pro Leu His Phe Trp Asn Val Cys Ala Ser Met Met
100 105 110

Phe Val Tyr Leu Arg His Leu Lys Ile Tyr Phe Arg Tyr Glu Gly Lys
115 120 125

<210> 978
<211> 23
<212> PRT
<213> Homo sapiens

<400> 978
Ile Cys Leu Trp Gly Arg Pro Asn Leu Thr Thr Gln Gly Thr Leu Lys
1 5 10 15
Gly Ile Ser Gly Arg Arg Ser
20

<210> 979
<211> 78
<212> PRT
<213> Homo sapiens

<400> 979
Arg His Leu Gln Val Gly Gly Gly Gln His Gln Cys Gly Gln Ala Cys
1 5 10 15
Leu Asp Ser Ser Tyr Arg Pro Leu Leu Cys Met Met Trp Glu Pro Gly
20 25 30
His Ser His Ala Pro Ser Arg Ala Gln Gly Cys Gly Ser Thr Thr Glu
35 40 45
His Pro Leu Ser His Cys Pro Pro Leu Pro Arg Ala Leu Pro Ser Pro
50 55 60
Pro Leu Leu His His Ser Ser Phe Lys Val Pro Leu Leu Tyr
65 70 75

<210> 980
<211> 98
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (72)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 980
Met Pro Leu Gln Arg Arg Val Lys Val Lys Thr Thr Ser Ser Arg Cys
1 5 10 15
Leu Pro Gly Thr Thr Trp Gly Leu Thr Leu Phe Ser Met Leu Cys Cys
20 25 30
Phe Trp Pro Leu Gly Ile Ala Ala Phe Tyr Phe Ser Gln Gly Thr Ser
35 40 45

Lys Ala Ile Ser Lys Gly Asp Phe Arg Leu Ala Ser Thr Thr Ser Arg
 50 55 60
 Arg Ala Leu Phe Leu Ala Thr Xaa Ala Ile Ala Val Gly Ala Gly Leu
 65 70 75 80
 Tyr Val Ala Val Val Val Ala Leu Ala Ala Tyr Met Ser Gln Asn Gly
 85 90 95

His Gly

<210> 981
 <211> 68
 <212> PRT
 <213> Homo sapiens

<400> 981
 Met Pro Leu Gln Arg Arg Val Lys Val Lys Thr Thr Ser Ser Arg Cys
 1 5 10 15
 Leu Pro Gly Thr Thr Trp Asp Leu Leu Ser Ser Pro Cys Ser Ala Ala
 20 25 30
 Ser Gly His Trp Ala Leu Leu Pro Ser Thr Ser Pro Arg Gly Pro Ala
 35 40 45
 Arg Pro Ser Pro Lys Gly Thr Ser Ala Trp Pro Ala Pro Pro Pro Ala
 50 55 60
 Gly Pro Ser Ser
 65

<210> 982
 <211> 68
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (25)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (51)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (56)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 982

Met Leu Leu Pro Leu Phe Thr Leu Leu Ile Leu Leu Leu Arg Val Phe
1 5 10 15

Pro Lys Glu Ile Ile Gln Asn Arg Xaa Lys Leu Lys Ala Glu Lys Cys
20 25 30

Trp Asn Met Thr Leu Phe Ile Ala Val Gly Lys Met Gly Gly Trp Gly
35 40 45

Thr Trp Xaa Met Leu Glu Ile Xaa Ala Leu Cys Glu Gly Pro Val Gly
50 55 60

Glu Asp Ala Leu
65

<210> 983

<211> 8

<212> PRT

<213> Homo sapiens

<400> 983

Arg Val Phe Pro Val Thr Thr Leu
1 5

<210> 984

<211> 32

<212> PRT

<213> Homo sapiens

<400> 984

Met Leu Leu Pro Leu Phe Thr Leu Leu Ile Leu Leu Leu Arg Val Phe
1 5 10 15

Pro Lys Glu Ile Ile Gln Asn Arg Lys Lys Leu Lys Ala Glu Lys Cys
20 25 30

<210> 985

<211> 10

<212> PRT

<213> Homo sapiens

<400> 985

Met Gly Leu Phe Leu Phe Leu Val Ser Ser
1 5 10

<210> 986
<211> 10
<212> PRT
<213> Homo sapiens

<400> 986
Met Gly Leu Phe Leu Phe Leu Val Ser Ser
1 5 10

<210> 987
<211> 56
<212> PRT
<213> Homo sapiens

<400> 987
Met Leu Thr Gly Val Ile Ser Gly Ser Thr Gly Ala Met Ala Leu Ser
1 5 10 15
Leu Ala Ser Leu Ser Ala His Cys Phe Ala Phe Arg Cys Leu Ala Ala
20 25 30
Pro Phe Tyr Phe Phe Ala Gly Leu Gly Lys His Gly Arg Arg Ile Leu
35 40 45
Ile Ser Phe Leu Phe Ser Ala Trp
50 55

<210> 988
<211> 56
<212> PRT
<213> Homo sapiens

<400> 988
Met Leu Thr Gly Val Ile Ser Gly Ser Thr Gly Ala Met Ala Leu Ser
1 5 10 15
Leu Ala Ser Leu Ser Ala His Cys Phe Ala Phe Arg Cys Leu Ala Ala
20 25 30
Pro Phe Tyr Phe Phe Ala Gly Leu Gly Lys His Gly Arg Arg Ile Leu
35 40 45
Ile Ser Phe Leu Phe Ser Ala Trp
50 55

<210> 989
<211> 56
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 989
Ala Glu Xaa Ala Pro Leu His Phe His Leu Gly Asp Gly Glu Arg Leu
1 5 10 15
His Leu Lys Lys Lys Lys Asn Lys Lys Lys Lys Pro Lys Gln Gly Trp
20 25 30
Ala Arg Trp Leu Thr Pro Val Ile Ser Ala Leu Leu Glu Xaa Gly Ala
35 40 45
Gly Val Ser Pro Glu Val Met Ser
50 55

<210> 990
<211> 29
<212> PRT
<213> Homo sapiens

<400> 990
Met Leu Val Ile Ile Ile Met Thr Ala Leu Val Ser His Val Pro Ser
1 5 10 15
Val His Ser Val Pro His Ala Val Pro Phe Thr Ser Ser
20 25

<210> 991
<211> 29
<212> PRT
<213> Homo sapiens

<400> 991
Met Leu Val Ile Ile Ile Met Thr Ala Leu Val Ser His Val Pro Ser
1 5 10 15
Val His Ser Val Pro His Ala Val Pro Phe Thr Ser Ser
20 25

<210> 992
<211> 60
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 992
Val Phe Lys Thr Ile Arg Xaa Arg Glu Ile Ile Leu Tyr His Glu Asn
1 5 10 15
Ser Thr Gly Lys Thr His Pro His Asp Ser Leu Ile Ser His Trp Val
20 25 30
Pro Xaa Thr Thr Gln Gly Asn Tyr Gly Ser Tyr Lys Met Arg Phe Gly
35 40 45
Trp Gly His Arg Ala Arg Pro Tyr Gln Pro Pro Lys
50 55 60

<210> 993
<211> 53
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 993
Met Asp Ile Gln Gly Lys Ala Leu Tyr Ile Arg Phe Leu Leu Thr Leu
1 5 10 15
Cys Gln Met Val Val Ser Val Met Gly Lys Arg Xaa Gln Gly Arg Arg
20 25 30
Gly Leu Gly Gly Ala Ala Ala Val Gly Arg Glu Ile Cys Arg Arg Trp
35 40 45
Gly Cys Cys Val Thr
50

<210> 994
<211> 12
<212> PRT
<213> Homo sapiens

<400> 994

Leu Cys Trp Thr Arg Ser Ser Val Ile Gly Ala His
1 5 10

<210> 995
<211> 53
<212> PRT
<213> Homo sapiens

<400> 995
Met Asp Ile Gln Gly Lys Ala Leu Tyr Ile Arg Phe Leu Leu Thr Leu
1 5 10 15

Cys Gln Met Val Val Ser Val Met Gly Lys Arg Arg Gln Gly Arg Arg
20 25 30

Gly Leu Gly Gly Ala Ala Ala Val Gly Arg Glu Ile Cys Arg Arg Trp
35 40 45

Gly Cys Cys Val Thr
50

<210> 996
<211> 53
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 996
Lys Gln Gly Ser Leu Leu Gly Trp Ser Arg Val Ile Met Val Arg Gly
1 5 10 15

Ala Gln Ser Tyr Xaa Lys Gly Val Leu Cys Arg His Trp Lys Lys Phe
20 25 30

Gly Phe Tyr Ser Lys Trp Asn Trp Lys Pro Leu Glu Cys Phe Gln Asn
35 40 45

Arg Ser Asp Val Ile
50

<210> 997
<211> 53
<212> PRT
<213> Homo sapiens

<400> 997
Met Arg Leu Ile Leu Phe Ala Met Ser Pro Lys Leu Leu Phe Leu Phe

1 5 10 15
 Leu Phe Leu Tyr Ile Ser Val Lys Ser Phe Asp Leu Val Leu Ser Phe
 20 25 30
 Arg Ser Val Leu Phe Met Ser Asp Leu Ile His Cys Phe Tyr His Gln
 35 40 45
 Leu His Phe Lys Leu
 50

<210> 998
 <211> 53
 <212> PRT
 <213> Homo sapiens

<400> 998
 Met Arg Leu Ile Leu Phe Ala Met Ser Pro Lys Leu Leu Phe Leu Phe
 1 5 10 15
 Leu Phe Leu Tyr Ile Ser Val Lys Ser Phe Asp Leu Val Leu Ser Phe
 20 25 30
 Arg Ser Val Leu Phe Met Ser Asp Leu Ile His Cys Phe Tyr His Gln
 35 40 45
 Leu His Phe Lys Leu
 50

<210> 999
 <211> 79
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (34)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 999
 Leu Gly Ile Trp Leu Ile Pro Gly Leu Arg Arg Ala Asn Pro Lys Ile
 1 5 10 15
 Ser Leu Glu Tyr Leu Met Val Pro Glu Asn Lys Tyr Ser Lys Asn Cys
 20 25 30
 Glu Xaa Met Leu Lys Gly Leu Arg Ser Gln Pro Glu Gly Ala Ala Asn
 35 40 45
 Gly Gln Ser Trp Asn Asn Ser Asn Lys Val Asn Lys Tyr Ser Ile Gly
 50 55 60
 Leu Leu Leu Asn Lys Cys Met Ile His Glu Ser Thr Leu Lys Asp

65

70

75

<210> 1000
<211> 43
<212> PRT
<213> Homo sapiens

<400> 1000
Met Phe His Arg Phe Phe Ile Leu Ser Ala Leu Ser Arg Ile Arg Ala
1 5 10 15
Leu Thr Thr Phe Leu Asp Asp Leu Gly Met Thr His Gln Thr Leu Leu
20 25 30
Leu Leu Leu Gly Pro Ser Ile Tyr Ser Phe Cys
35 40

<210> 1001
<211> 43
<212> PRT
<213> Homo sapiens

<400> 1001
Met Phe His Arg Phe Phe Ile Leu Ser Ala Leu Ser Arg Ile Arg Ala
1 5 10 15
Leu Thr Thr Phe Leu Asp Asp Leu Gly Met Thr His Gln Thr Leu Leu
20 25 30
Leu Leu Leu Gly Pro Ser Ile Tyr Ser Phe Cys
35 40

<210> 1002
<211> 111
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (99)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (104)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (108)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (109)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (111)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1002
 Val Gln Val Leu Thr Gln Tyr Tyr Gln Ser Asn Ile Leu Asn Ile Leu
 1 5 10 15
 Ser Gln Val Ile Cys Leu Ser Ile Val Tyr Phe Glu Gly Phe Leu Ser
 20 25 30
 Phe Thr Phe Asn Leu Phe Phe Ile Ser Ile Ser Ser Xaa Val Ala Leu
 35 40 45
 Ser Tyr Ser Tyr Pro Asp Ile His Leu Ile Ser Glu Gly Leu Asp Ile
 50 55 60
 Thr Leu Val Lys Met Gln Ser Asp Leu Ile Leu Phe Leu Lys Gln Thr
 65 70 75 80
 Ala Val Leu Leu Glu Arg Pro Arg Ala His Arg Phe Ser Thr Arg Val
 85 90 95
 Gly Tyr Xaa Val Ser Val His Xaa Ser Gly Ser Xaa Xaa Val Xaa
 100 105 110

<210> 1003
 <211> 43
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (13)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1003
 Met Leu Tyr Val Arg Leu Leu Lys Asn Thr Lys Ile Xaa Val Leu Ile
 1 5 10 15
 Leu Pro Leu Phe Ile Leu Phe Leu Thr Leu Phe Leu Phe Ile Pro Asn
 20 25 30

Gly Phe Leu Phe Val Phe Val Ser Leu Tyr Phe
35 40

<210> 1004
<211> 118
<212> PRT
<213> Homo sapiens

<400> 1004
Met Phe Ile Val Phe Ser Val Leu Leu Leu Phe Phe Gln Phe Ala Ile
1 5 10 15
Cys Gln Phe Ala Asp Leu Ala Ile Phe Pro Leu Ser Met Cys Gln Leu
20 25 30
Cys Asn Leu Ser Ala Arg Leu Ala Ala Pro Ser Ala Arg Phe Glu Gly
35 40 45
Leu Gly Ile Asn Arg Thr Arg Lys Ala Glu Gly Ser Leu Pro Thr Thr
50 55 60
Ala Val Gln Leu Leu Pro Tyr Lys Ser Gln Ala Val Gln Val Gln His
65 70 75 80
Pro Gln Ala Val Ile Val Asp Lys Leu Ser Val Ile Ser Leu Arg Ser
85 90 95
Ile Cys Ile Asp Gln Leu Lys Phe Met Glu Met Glu Asn Ile Ile Lys
100 105 110
Pro Gly Tyr Val Thr Ser
115

<210> 1005
<211> 64
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (59)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (63)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1005

Ser Ile Lys Ser Cys Ser Ser Phe Tyr Leu Gly Ser Arg Val Asn Arg
1 5 10 15

Ala Gln Leu Thr Asn Tyr Pro Pro Ala Met Arg Thr Tyr Val Tyr Glu
20 25 30

Cys His Cys Asp Lys Ser Thr Ser Arg Ala Thr Ala Gly Pro Ser Ile
35 40 45

Phe His Pro Gly Gly Val Xaa Gly Met Trp Xaa Ile Phe Ala Xaa Val
50 55 60

<210> 1006

<211> 42

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (23)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (42)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1006

His Ser Pro Glu Ser Cys Tyr Ser Phe Asn Leu Gly Ser Arg Met Arg
1 5 10 15

Ile Ser Val Glu Xaa Lys Xaa Ala Lys Ser Asn Ser Ala Ala Asp Asn
20 25 30

Pro Glu Thr Leu Arg Lys Gly Tyr Val Xaa
35 40

<210> 1007

<211> 76

<212> PRT

<213> Homo sapiens

<400> 1007

Met Leu Val Leu Leu Ser Leu Leu Ala Ser Gly Gly Leu Pro Leu Leu

1	5	10	15
Leu Val Gly Asp Val Leu Ala Ser Lys Ser Ser Thr Val Leu Phe Leu			
20	25	30	
Pro Gly Asp Ser Ser Pro Gly Cys Ser Met Ile Thr Pro Leu Pro Pro			
35	40	45	
Ser Arg Met Cys Leu Lys Ala Gly Ser Ser Gly Glu Gln Thr Val Val			
50	55	60	
Pro Leu Ser Leu Leu Leu Arg Ser Lys Ser Ser Lys			
65	70	75	

<210> 1008

<211> 76

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (71)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1008

Met Leu Val Leu Leu Ser Leu Leu Ala Ser Gly Gly Leu Pro Leu Leu			
1	5	10	15
Leu Val Gly Asp Val Leu Ala Ser Lys Ser Ser Thr Val Leu Phe Leu			
20	25	30	
Pro Gly Asp Ser Ser Pro Gly Cys Ser Met Ile Thr Pro Leu Pro Pro			
35	40	45	
Ser Arg Met Cys Leu Lys Ala Gly Ser Ser Gly Glu Gln Thr Val Val			
50	55	60	
Pro Leu Ser Leu Leu Leu Xaa Ser Lys Ser Ser Lys			
65	70	75	

<210> 1009

<211> 9

<212> PRT

<213> Homo sapiens

<400> 1009

Cys His Leu Gln His Ser Cys Arg Glu	
1	5

<210> 1010

<211> 34

<212> PRT

<213> Homo sapiens

<400> 1010

Met Thr Ala Leu Phe Cys Ser Leu Leu His Ser Leu Val Ser Leu Leu
1 5 10 15

Leu Pro Thr Lys Trp Gly Gln Gly Lys Ala Phe Leu Thr Gly Pro Leu
20 25 30

Phe Ser

<210> 1011

<211> 10

<212> PRT

<213> Homo sapiens

<400> 1011

Phe Ser Cys Cys Leu Ser Leu Pro Ile Ser
1 5 10

<210> 1012

<211> 71

<212> PRT

<213> Homo sapiens

<400> 1012

Met Trp Cys Leu Val Phe Cys Ser Cys Val Ser Leu Pro Arg Met Met
1 5 10 15

Ala Ser Ser Phe Ile His Asp Ile Ala Lys Asp Met Ile Ser Phe Leu
20 25 30

Phe Met Ser Ala Trp Tyr Tyr Thr Tyr Phe Asn Ser Phe Glu Ile Tyr
35 40 45

Arg Phe Gln Phe Thr Phe Ile Glu Tyr Ser Leu Trp Val Lys His His
50 55 60

Ala Ser Leu Pro Gly Val Gln
65 70

<210> 1013

<211> 71

<212> PRT

<213> Homo sapiens

<400> 1013

Met Trp Cys Leu Val Phe Cys Ser Cys Val Ser Leu Pro Arg Met Met
1 5 10 15

Ala Ser Ser Phe Ile His Asp Ile Ala Lys Asp Met Ile Ser Phe Leu
20 25 30

Phe Met Ser Ala Trp Tyr Tyr Thr Tyr Phe Asn Ser Phe Glu Ile Tyr
35 40 45

Arg Phe Gln Phe Thr Phe Ile Glu Tyr Ser Leu Trp Val Lys His His
50 55 60

Ala Ser Leu Pro Gly Val Gln
65 70

<210> 1014
<211> 74
<212> PRT
<213> Homo sapiens

<400> 1014
Ala Arg Arg Glu Gly Arg Ser Arg Thr Ala Val Gly Ser Thr Pro Ala
1 5 10 15

Ala Pro Leu Ser Leu Thr Arg Gly Gly Gln Cys Pro Ser Arg Gly Ser
20 25 30

Pro Leu Ala Leu Phe Gly His Pro Leu Ala Ser Gln Lys His Ser Glu
35 40 45

Thr Lys Thr Phe Pro Phe Pro Pro Pro His Met Val Leu Arg Leu Pro
50 55 60

Ala Ala Met Gln Leu Lys Gln Leu Ile Phe
65 70

<210> 1015
<211> 21
<212> PRT
<213> Homo sapiens

<400> 1015
Met Ser Leu Ser Leu Ile Ser Leu Ser Phe Leu Phe Pro Ala Gly Ala
1 5 10 15

Gly Arg Arg Ser Cys
20

<210> 1016
<211> 21
<212> PRT
<213> Homo sapiens

<400> 1016

Met Ser Leu Ser Leu Ile Ser Leu Ser Phe Leu Phe Pro Ala Gly Ala
1 5 10 15

Gly Arg Arg Ser Cys
20

<210> 1017

<211> 25

<212> PRT

<213> Homo sapiens

<400> 1017

Met Leu His Trp Gly Val Leu Cys Ser Leu Phe Leu Met Leu Phe Asn
1 5 10 15

Glu Gly Ala Ser Ala Ser Leu Gln Gln
20 25

<210> 1018

<211> 55

<212> PRT

<213> Homo sapiens

<400> 1018

Met Leu His Trp Gly Val Leu Cys Ser Leu Phe Leu Met Leu Phe Asn
1 5 10 15

Glu Gly Ala Ser Ala Ser Leu Ser Asn Lys Arg Ser Met Arg Glu Asp
20 25 30

Arg Ala Val His Gly Tyr Gly Tyr Trp Thr Arg Ile Phe Gly Lys Val
35 40 45

Lys Ala Asp His Trp Ile Trp
50 55

<210> 1019

<211> 95

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1019

Met Arg Ala Cys Leu Cys Ala Gly Val Cys Met Cys Xaa Ala Ser Cys
1 5 10 15

Leu Gly Leu Pro Met Asn Val Val Glu Cys Tyr Thr Trp Arg Val Leu
 20 25 30
 Val Phe His Gln Phe Gln Asp Glu Glu Leu His Asp Thr Val Asp Leu
 35 40 45
 Glu Thr Ile Pro Leu Glu Arg Gln Pro Arg Asp Val Gln His Pro Val
 50 55 60
 Ser Thr Arg Ile Leu Tyr Leu His Val Tyr Phe Val Ala Val Thr Leu
 65 70 75 80
 Thr Leu Ile Arg Ile Leu Gln Leu Trp Thr Glu Ala Phe Ser Pro
 85 90 95

<210> 1020
 <211> 261
 <212> PRT
 <213> Homo sapiens

<400> 1020
 Met Glu Leu Leu Gln Val Thr Ile Leu Phe Leu Leu Pro Ser Ile Cys
 1 5 10 15
 Ser Ser Asn Ser Thr Gly Val Leu Glu Ala Ala Asn Asn Ser Leu Val
 20 25 30
 Val Thr Thr Thr Lys Pro Ser Ile Thr Thr Pro Asn Thr Glu Ser Leu
 35 40 45
 Gln Lys Asn Val Val Thr Pro Thr Thr Gly Thr Thr Pro Lys Gly Thr
 50 55 60
 Ile Thr Asn Glu Leu Leu Lys Met Ser Leu Met Ser Thr Ala Thr Phe
 65 70 75 80
 Leu Thr Ser Lys Asp Glu Gly Leu Lys Ala Thr Thr Thr Asp Val Arg
 85 90 95
 Lys Asn Asp Ser Ile Ile Ser Asn Val Thr Val Thr Ser Val Thr Leu
 100 105 110
 Pro Asn Ala Val Ser Thr Leu Gln Ser Ser Lys Pro Lys Thr Glu Thr
 115 120 125
 Gln Ser Ser Ile Lys Thr Thr Glu Ile Pro Gly Ser Val Leu Gln Pro
 130 135 140
 Asp Ala Ser Pro Ser Lys Thr Gly Thr Leu Thr Ser Ile Pro Val Thr
 145 150 155 160
 Ile Pro Glu Asn Thr Ser Gln Ser Gln Val Ile Gly Thr Glu Gly Gly
 165 170 175
 Lys Asn Ala Ser Thr Ser Ala Thr Ser Arg Ser Tyr Ser Ser Ile Ile

180	185	190
Leu Pro Val Val Ile Ala Leu Ile Val Ile Thr Leu Ser Val Phe Val		
195	200	205
Leu Val Gly Leu Tyr Arg Met Cys Trp Lys Ala Asp Pro Gly Thr Pro		
210	215	220
Glu Asn Gly Asn Asp Gln Pro Gln Ser Asp Lys Glu Ser Val Lys Leu		
225	230	235
Leu Thr Val Lys Thr Ile Ser His Glu Ser Gly Glu His Ser Ala Gln		
	245	250
		255
Gly Lys Thr Lys Asn		
260		

<210> 1021
 <211> 260
 <212> PRT
 <213> Homo sapiens

<400> 1021

Met Glu Leu Leu Gln Val Thr Ile Leu Phe Leu Leu Pro Ser Ile Cys	
1	5
Ser Ser Asn Ser Thr Gly Val Leu Glu Ala Ala Asn Asn Ser Leu Val	
20	25
Thr Thr Thr Lys Pro Ser Ile Thr Thr Pro Asn Thr Glu Ser Leu Gln	
35	40
Lys Asn Val Val Thr Pro Thr Thr Gly Thr Thr Pro Lys Gly Thr Ile	
50	55
Thr Asn Glu Leu Leu Lys Met Ser Leu Met Ser Thr Ala Thr Phe Leu	
65	70
Thr Ser Lys Asp Glu Gly Leu Lys Ala Thr Thr Thr Asp Val Arg Lys	
85	90
Asn Asp Ser Ile Ile Ser Asn Val Thr Val Thr Ser Val Thr Leu Pro	
100	105
Asn Ala Val Ser Thr Leu Gln Ser Ser Lys Pro Lys Thr Glu Thr Gln	
115	120
Ser Ser Ile Lys Thr Thr Glu Ile Pro Gly Ser Val Leu Gln Pro Asp	
130	135
Ala Ser Pro Ser Lys Thr Gly Thr Leu Thr Ser Ile Pro Val Thr Ile	
145	150
Pro Glu Asn Thr Ser Gln Ser Gln Val Ile Gly Thr Glu Gly Gly Lys	
165	170
	175

Asn	Ala	Ser	Thr	Ser	Ala	Thr	Ser	Arg	Ser	Tyr	Ser	Ser	Ile	Ile	Leu
			180					185					190		
Pro	Val	Val	Ile	Ala	Leu	Ile	Val	Ile	Thr	Leu	Ser	Val	Phe	Val	Leu
		195					200					205			
Val	Gly	Leu	Tyr	Arg	Met	Cys	Trp	Lys	Ala	Asp	Pro	Gly	Thr	Pro	Glu
	210					215					220				
Asn	Gly	Asn	Asp	Gln	Pro	Gln	Ser	Asp	Lys	Glu	Ser	Val	Lys	Leu	Leu
225					230					235					240
Thr	Val	Lys	Thr	Ile	Ser	His	Glu	Ser	Gly	Glu	His	Ser	Ala	Gln	Gly
				245					250					255	
Lys	Thr	Lys	Asn												
			260												

<210> 1022
 <211> 53
 <212> PRT
 <213> Homo sapiens

Cys	Val	Leu	Glu	Pro	Thr	Ser	Ser	Gln	Ser	Ile	Ala	Pro	Asp	Leu	Gly
1				5				10					15		
Arg	Glu	Ser	Thr	Phe	Ser	Ile	Gln	Arg	Asn	Lys	Asn	Met	Gln	Phe	Met
			20					25					30		
Val	Val	Leu	Trp	Thr	Leu	Thr	Asp	Cys	Glu	Gly	Lys	Val	Tyr	Pro	Lys
		35					40					45			
Ala	Val	Ile	Cys	Arg											
		50													

<210> 1023
 <211> 41
 <212> PRT
 <213> Homo sapiens

Met	Met	Leu	Pro	Val	Ile	Ser	Leu	Phe	Leu	Ile	Ser	Leu	His	Leu	Pro
1				5				10					15		
Ile	Phe	Cys	Phe	Gln	Arg	Leu	Leu	Leu	Phe	Lys	Gly	Phe	Leu	Phe	Ile
			20					25					30		
Ala	Asn	Ser	Ser	Asn	Leu	His	Ile	Lys							
		35					40								

<210> 1024
<211> 41
<212> PRT
<213> Homo sapiens

<400> 1024
Met Met Leu Pro Val Ile Ser Leu Phe Leu Ile Ser Leu His Leu Pro
1 5 10 15
Ile Phe Cys Phe Gln Arg Leu Leu Leu Phe Lys Gly Phe Leu Phe Ile
20 25 30
Ala Asn Ser Ser Asn Leu His Ile Lys
35 40

<210> 1025
<211> 162
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1025
Lys Thr Val Met Leu Pro Ile Ala Gln Glu Val Gln Ser Pro Val Xaa
1 5 10 15
Xaa Xaa Cys Asp Lys Leu Ala Ala Asp Cys Ala His Glu Leu Arg Arg
20 25 30
His Gly Val Ser Cys Val Ser Leu Trp Pro Gly Ile Val Gln Thr Glu
35 40 45
Leu Leu Lys Glu His Met Ala Lys Glu Glu Val Leu Gln Asp Pro Val
50 55 60
Leu Lys Gln Phe Lys Ser Ala Phe Ser Ser Ala Glu Thr Thr Glu Leu
65 70 75 80
Ser Gly Lys Cys Val Val Ala Leu Ala Thr Asp Pro Asn Ile Leu Ser
85 90 95

Leu Ser Gly Lys Val Leu Pro Ser Cys Asp Leu Ala Arg Arg Tyr Gly
 100 105 110
 Leu Arg Asp Val Asp Gly Arg Pro Val Gln Asp Tyr Leu Ser Leu Ser
 115 120 125
 Ser Val Leu Ser His Val Ser Gly Leu Gly Trp Leu Ala Ser Tyr Leu
 130 135 140
 Pro Ser Phe Leu Arg Val Pro Lys Trp Ile Ile Ala Leu Tyr Thr Ser
 145 150 155 160
 Lys Phe

<210> 1026
 <211> 45
 <212> PRT
 <213> Homo sapiens

<400> 1026
 Met Ala Arg Trp Leu Leu Pro Cys Leu Pro Pro Leu His Ser Val Thr
 1 5 10 15
 Ser Trp Leu Leu Thr Val Pro Thr Ser Cys Gly Ala Met Gly Ser Ala
 20 25 30
 Val Cys Leu Cys Gly Arg Gly Leu Cys Arg Gln Asn Cys
 35 40 45

<210> 1027
 <211> 37
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (29)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1027
 Leu Pro Pro Phe Pro Gln Cys Asp Lys Leu Ala Ala Asp Cys Pro Thr
 1 5 10 15
 Ser Cys Gly Ala Met Gly Ser Ala Val Cys Leu Cys Xaa Arg Gly Leu
 20 25 30
 Cys Arg Gln Asn Cys
 35

<210> 1028

<211> 45
<212> PRT
<213> Homo sapiens

<400> 1028
Met Ala Arg Trp Leu Leu Pro Cys Leu Pro Pro Leu His Ser Val Thr
1 5 10 15
Ser Trp Leu Leu Thr Val Pro Thr Ser Cys Gly Ala Met Gly Ser Ala
20 25 30
Val Cys Leu Cys Gly Arg Gly Leu Cys Arg Gln Asn Cys
35 40 45

<210> 1029
<211> 29
<212> PRT
<213> Homo sapiens

<400> 1029
Met Asp Gln Phe Leu Gln Tyr Leu Leu Glu Cys Met Leu Leu Cys Thr
1 5 10 15
Thr Ala Gly Ala Ser Gly Ala Thr Tyr Val Pro Thr Arg
20 25

<210> 1030
<211> 42
<212> PRT
<213> Homo sapiens

<400> 1030
Met Asp Gln Phe Leu Gln Tyr Leu Leu Glu Cys Met Leu Leu Cys Thr
1 5 10 15
Thr Ala Gly Ala Ser Gly Ala His Leu Cys Thr Asn Glu Met Thr Leu
20 25 30
Leu Glu Ala Ile Leu Tyr Leu Gln Trp Met
35 40

<210> 1031
<211> 53
<212> PRT
<213> Homo sapiens

<400> 1031
Cys Leu Ile Leu Gln Glu Glu Asn Arg Lys Glu Leu Ser Asn Leu Ala
1 5 10 15
Asn Arg Tyr Lys Ile Asp Ser Arg Val Leu Ser Pro Thr Leu Gly Trp

<210> 1035
 <211> 491
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (42)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (43)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (44)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1035
 Ala Ala Arg Val Gly Arg His Gly Arg Arg Arg Arg Ser Ala Ala Met
 1 5 10 15

Ala Gly Arg Gly Gly Ser Ala Leu Leu Ala Leu Cys Gly Ala Leu Ala
 20 25 30

Ala Cys Gly Trp Leu Leu Gly Ala Glu Xaa Xaa Xaa Pro Gly Ala Pro
 35 40 45

Ala Ala Gly Met Arg Arg Arg Arg Arg Leu Gln Gln Glu Asp Gly Ile
 50 55 60

Ser Phe Glu Tyr His Arg Tyr Pro Glu Leu Arg Glu Ala Leu Val Ser
 65 70 75 80

Val Trp Leu Gln Cys Thr Ala Ile Ser Arg Ile Tyr Thr Val Gly Arg
 85 90 95

Ser Phe Glu Gly Arg Glu Leu Leu Val Ile Glu Leu Ser Asp Asn Pro
 100 105 110

Gly Val His Glu Pro Gly Glu Pro Glu Phe Lys Tyr Ile Gly Asn Met
 115 120 125

His Gly Asn Glu Ala Val Gly Arg Glu Leu Leu Ile Phe Leu Ala Gln
 130 135 140

Tyr Leu Cys Asn Glu Tyr Gln Lys Gly Asn Glu Thr Ile Val Asn Leu
 145 150 155 160

Ile His Ser Thr Arg Ile His Ile Met Pro Ser Leu Asn Pro Asp Gly
 165 170 175

Phe	Glu	Lys	Ala	Ala	Ser	Gln	Pro	Gly	Glu	Leu	Lys	Asp	Trp	Phe	Val	180	185	190	
Gly	Arg	Ser	Asn	Ala	Gln	Gly	Ile	Asp	Leu	Asn	Arg	Asn	Phe	Pro	Asp	195	200	205	
Leu	Asp	Arg	Ile	Val	Tyr	Val	Asn	Glu	Lys	Glu	Gly	Gly	Pro	Asn	Asn	210	215	220	
His	Leu	Leu	Lys	Asn	Met	Lys	Lys	Ile	Val	Asp	Gln	Asn	Thr	Lys	Leu	225	230	235	240
Ala	Pro	Glu	Thr	Lys	Ala	Val	Ile	His	Trp	Ile	Met	Asp	Ile	Pro	Phe	245	250	255	
Val	Leu	Ser	Ala	Asn	Leu	His	Gly	Gly	Asp	Leu	Val	Ala	Asn	Tyr	Pro	260	265	270	
Tyr	Asp	Glu	Thr	Arg	Ser	Gly	Ser	Ala	His	Glu	Tyr	Ser	Ser	Ser	Pro	275	280	285	
Asp	Asp	Ala	Ile	Phe	Gln	Ser	Leu	Ala	Arg	Ala	Tyr	Ser	Ser	Phe	Asn	290	295	300	
Pro	Ala	Met	Ser	Asp	Pro	Asn	Arg	Pro	Pro	Cys	Arg	Lys	Asn	Asp	Asp	305	310	315	320
Asp	Ser	Ser	Phe	Val	Asp	Gly	Thr	Thr	Asn	Gly	Gly	Ala	Trp	Tyr	Ser	325	330	335	
Val	Pro	Gly	Gly	Met	Gln	Asp	Phe	Asn	Tyr	Leu	Ser	Ser	Asn	Cys	Phe	340	345	350	
Glu	Ile	Thr	Val	Glu	Leu	Ser	Cys	Glu	Lys	Phe	Pro	Pro	Glu	Glu	Thr	355	360	365	
Leu	Lys	Thr	Tyr	Trp	Glu	Asp	Asn	Lys	Asn	Ser	Leu	Ile	Ser	Tyr	Leu	370	375	380	
Glu	Gln	Ile	His	Arg	Gly	Val	Lys	Gly	Phe	Val	Arg	Asp	Leu	Gln	Gly	385	390	395	400
Asn	Pro	Ile	Ala	Asn	Ala	Thr	Ile	Ser	Val	Glu	Gly	Ile	Asp	His	Asp	405	410	415	
Val	Thr	Ser	Ala	Lys	Asp	Gly	Asp	Tyr	Trp	Arg	Leu	Leu	Ile	Pro	Gly	420	425	430	
Asn	Tyr	Lys	Leu	Thr	Ala	Ser	Ala	Pro	Gly	Tyr	Leu	Ala	Ile	Thr	Lys	435	440	445	
Lys	Val	Ala	Val	Pro	Tyr	Ser	Pro	Ala	Ala	Gly	Val	Asp	Phe	Glu	Leu	450	455	460	
Glu	Ser	Phe	Ser	Glu	Arg	Lys	Glu	Glu	Glu	Lys	Glu	Glu	Leu	Met	Glu	465	470	475	480

Trp Trp Lys Met Met Ser Glu Thr Leu Asn Phe
485 490

<210> 1036
<211> 255
<212> PRT
<213> Homo sapiens

<400> 1036
Leu Leu Leu Trp Thr Met Ser Val Ile Phe Phe Ala Cys Val Val Arg
1 5 10 15
Val Arg Asp Gly Leu Pro Leu Ser Ala Ser Thr Asp Phe Tyr His Thr
20 25 30
Gln Asp Phe Leu Glu Trp Arg Arg Arg Leu Lys Ser Leu Ala Leu Arg
35 40 45
Leu Ala Gln Tyr Pro Gly Arg Gly Ser Ala Glu Gly Cys Asp Phe Ser
50 55 60
Ile His Phe Ser Ser Phe Gly Asp Val Ala Cys Met Ala Ile Cys Ser
65 70 75 80
Cys Gln Cys Pro Ala Ala Met Ala Phe Cys Phe Leu Glu Thr Leu Trp
85 90 95
Trp Glu Phe Thr Ala Ser Tyr Asp Thr Thr Cys Ile Gly Leu Ala Ser
100 105 110
Arg Pro Tyr Ala Phe Leu Glu Phe Asp Ser Ile Ile Gln Lys Val Lys
115 120 125
Trp His Phe Asn Tyr Val Ser Ser Ser Gln Met Glu Cys Ser Leu Glu
130 135 140
Lys Ile Gln Glu Glu Leu Lys Leu Gln Pro Pro Ala Val Leu Thr Leu
145 150 155 160
Glu Asp Thr Asp Val Ala Asn Gly Val Met Asn Gly His Thr Pro Met
165 170 175
His Leu Glu Pro Ala Pro Asn Phe Arg Met Glu Pro Val Thr Ala Leu
180 185 190
Gly Ile Leu Ser Leu Ile Leu Asn Ile Met Cys Ala Ala Leu Asn Leu
195 200 205
Ile Arg Gly Val His Leu Ala Glu His Ser Leu Gln Val Ala His Glu
210 215 220
Glu Ile Gly Asn Ile Leu Ala Phe Leu Val Pro Phe Val Ala Cys Ile
225 230 235 240

Phe Gln Asp Pro Arg Ser Trp Phe Cys Trp Leu Asp Gln Thr Ser
245 250 255

<210> 1037
<211> 99
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1037
Met Leu Leu Leu Leu Val Phe Leu Val Ala Cys Phe Ile Asn Arg Lys
1 5 10 15

Cys Gln Lys Gln Arg Lys Lys Lys Pro Ala Glu Asp Ile Leu Glu Glu
20 25 30

Tyr Pro Leu Asn Thr Lys Val Glu Val Pro Lys Xaa His Pro Asp Arg
35 40 45

Val Glu Lys Asn Val Asn Arg His Tyr Cys Thr Val Arg Asn Val Asn
50 55 60

Ile Leu Ser Glu Pro Glu Ala Ala Tyr Thr Phe Lys Gly Ala Lys Val
65 70 75 80

Lys Arg Leu Asn Leu Glu Val Arg Val His Asn Asn Leu Gln Asp Gly
85 90 95

Thr Glu Val

<210> 1038
<211> 5
<212> PRT
<213> Homo sapiens

<400> 1038
Met Pro Val Leu Leu
1 5

<210> 1039
<211> 99
<212> PRT
<213> Homo sapiens

<400> 1039
Met Leu Leu Leu Leu Val Phe Leu Val Ala Cys Phe Ile Asn Arg Lys

1	5	10	15
Cys Gln Lys Gln Arg Lys Lys Lys Pro Ala Glu Asp Ile Leu Glu Glu	20	25	30
Tyr Pro Leu Asn Thr Lys Val Glu Val Pro Lys Arg His Pro Asp Arg	35	40	45
Val Glu Lys Asn Val Asn Arg His Tyr Cys Thr Val Arg Asn Val Asn	50	55	60
Ile Leu Ser Glu Pro Glu Ala Ala Tyr Thr Phe Lys Gly Ala Lys Val	65	70	75
Lys Arg Leu Asn Leu Glu Val Arg Val His Asn Asn Leu Gln Asp Gly	85	90	95
Thr Glu Val			

<210> 1040
 <211> 70
 <212> PRT
 <213> Homo sapiens

<400> 1040
Leu Leu Asp Leu Thr Asn Arg Leu Val Thr Cys Ile Asp Gln Ser Lys
1 5 10 15
Pro Asn Ile Leu Ala Ser Leu Ser Leu Ala Glu Gln Thr Arg Val Gly
20 25 30
Ile Trp Val Gly Ala Phe Ser Ile Lys Asp Asn Leu Ser Leu Cys Ser
35 40 45
Gln Gly Glu His Leu Cys Phe Val Leu Lys Ala Gly Ser Pro Trp Phe
50 55 60
Ala Asn Cys Leu Gln Glu
65 70

<210> 1041
 <211> 48
 <212> PRT
 <213> Homo sapiens

<400> 1041
Met Leu Gln Tyr Thr Trp Leu Ile Leu Val Phe Leu Ser Ser Cys Leu
1 5 10 15
Ser Ala Thr Trp Phe Cys Lys Val Val Val Ala Ala Ile Gly Ser Thr
20 25 30

Val Gly Ser Ser Arg Leu His Phe Lys Arg Ser Gly Gln Cys Leu Arg
35 40 45

<210> 1042
<211> 48
<212> PRT
<213> Homo sapiens

<400> 1042
Met Leu Gln Tyr Thr Trp Leu Ile Leu Val Phe Leu Ser Ser Cys Leu
1 5 10 15

Ser Ala Thr Trp Phe Cys Lys Val Val Val Ala Ala Ile Gly Ser Thr
20 25 30

Val Gly Ser Ser Arg Leu His Phe Lys Arg Ser Gly Gln Cys Leu Arg
35 40 45

<210> 1043
<211> 52
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1043
Met Val Ala Val Asp Phe Ser Cys Leu Ser Phe Ile Leu Leu Gly Ile
1 5 10 15

Leu Val Leu Tyr Ile Tyr Phe Val Met Tyr Ala Cys Ser Ile Pro Thr
20 25 30

Leu Phe Ser Val Phe Tyr Xaa Glu Glu Met Leu Asn Leu Ser Lys Leu
35 40 45

Ser Cys Ile Tyr
50

<210> 1044
<211> 13
<212> PRT
<213> Homo sapiens

<400> 1044

Cys Phe His Phe Phe Leu Cys Pro Ile Leu Val Leu Val
1 5 10

<210> 1045

<211> 1

<212> PRT

<213> Homo sapiens

<400> 1045

Cys
1

<210> 1046

<211> 37

<212> PRT

<213> Homo sapiens

<400> 1046

Met Val Ala Val Asp Phe Ser Cys Leu Ser Phe Ile Leu Leu Gly Ile
1 5 10 15

Leu Val Leu Tyr Ile Tyr Phe Val Met Tyr Ala Cys Ser Ile Pro Thr
20 25 30

Leu Phe Ser Val Leu
35

<210> 1047

<211> 6

<212> PRT

<213> Homo sapiens

<400> 1047

Asn Leu Ser Lys Ile Ile
1 5

<210> 1048

<211> 183

<212> PRT

<213> Homo sapiens

<400> 1048

Met Met Asn Val Ser Lys Ile Ser Phe Phe Ala Met Phe Leu Met Tyr
1 5 10 15

Leu Leu Ala Ala Leu Phe Gly Tyr Leu Thr Phe Tyr Glu His Val Glu
20 25 30

Ile Leu Ala Phe Thr Asn Leu Leu Val Ile Phe Val Pro Thr Ile Arg
 100 105 110
 Asp Ile Phe Gly Phe Ile Gly Ala Ser Ala Ala Ser Met Leu Ile Phe
 115 120 125
 Ile Leu Pro Ser Ala Phe Tyr Ile Lys Leu Val Lys Lys Glu Pro Met
 130 135 140
 Lys Ser Val Gln Lys Ile Gly Ala Leu Phe Phe Leu Leu Ser Gly Val
 145 150 155 160
 Leu Val Met Thr Gly Ser Met Ala Leu Ile Val Leu Asp Trp Val His
 165 170 175
 Asn Ala Pro Gly Gly Gly His
 180

<210> 1050
 <211> 31
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (9)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1050
 Pro Gly Pro Pro Leu Ser Phe Phe Xaa Phe Phe Phe Phe Phe Phe
 1 5 10 15
 Phe Phe Phe Phe Phe Phe Phe Lys His Cys Ile Gln Val Ser Leu
 20 25 30

<210> 1051
 <211> 63
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (54)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1051
 Met Asn His Cys Cys Ser Ser Gln Arg Phe Leu Asn Ile Leu Ser Phe
 1 5 10 15
 Cys Ile Ser Pro Pro Phe Pro Leu Thr Phe Ile Tyr Leu Ile Met Tyr
 20 25 30
 Leu Phe Ile Tyr Leu Tyr Thr Phe Ala Pro Phe Ser Thr Asn Thr Lys

35	40	45
Gln Ser Lys Lys Lys Xaa Tyr Ile Tyr Ile Ser Val Tyr Val Leu		
50	55	60

<210> 1052
 <211> 63
 <212> PRT
 <213> Homo sapiens

<400> 1052
Met Asn His Cys Cys Ser Ser Gln Arg Phe Leu Asn Ile Leu Ser Phe
1 5 10 15

Cys Ile Ser Pro Pro Phe Pro Leu Thr Phe Ile Tyr Leu Ile Met Tyr
20 25 30

Leu Phe Ile Tyr Leu Tyr Thr Phe Ala Pro Phe Ser Thr Asn Thr Lys
35 40 45

Gln Ser Lys Lys Lys Lys Tyr Ile Tyr Ile Ser Val Tyr Val Leu
50 55 60

<210> 1053
 <211> 75
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (9)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1053
Ala Asp Asn Asn Phe Thr Gln Glu Xaa Ala Met Thr Met Ile Thr Pro
1 5 10 15

Ser Ser Lys Leu Thr Leu Thr Lys Gly Asn Lys Ser Trp Ser Ser Thr
20 25 30

Ala Val Ala Ala Ala Leu Glu Leu Val Asp Pro Pro Gly Cys Arg Asn
35 40 45

Ser Ala Arg Asp Asn Gln Phe Ile Leu Leu Asn Trp His Ile Leu Asn
50 55 60

His Asp Ser Gln Gln Leu Gly Asn Ile Phe Phe
65 70 75

<210> 1054
 <211> 113

<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (79)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (102)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (111)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1054
Cys Gly Val Phe Trp Leu Leu Ser Leu Leu Cys Cys Ile Lys Glu Gln
1 5 10 15
Gln Phe Glu Gln Val Val Ala Leu Leu Gln Ser Ile Arg Xaa Cys
20 25 30
Gln Asp Arg Ala Leu Leu Val Asn Asn Ala Tyr Gln Gly Leu Ala Ser
35 40 45
Leu Val Lys Val Ser Glu Leu Ala Ala Phe Lys Val Val Val Gln Glu
50 55 60
Glu Gly Gly Ser Gly Leu Ser Leu Ile Lys Glu Thr Tyr Gln Xaa His
65 70 75 80
Arg Gly Arg Thr Arg Arg Trp Trp Glu Asn Val Gly Met Leu Leu Val
85 90 95
Pro Pro Gly Phe Leu Xaa Arg Arg Ser Cys Arg Ser Trp Cys Xaa Val
100 105 110

Val

<210> 1055
<211> 2
<212> PRT
<213> Homo sapiens

<400> 1055
Ile Leu

1

<210> 1056
<211> 161
<212> PRT
<213> Homo sapiens

<400> 1056
Met Ala Glu Ala Ser Cys Gly Val Phe Trp Leu Leu Ser Leu Leu Cys
1 5 10 15
Cys Ile Lys Glu Gln Gln Phe Glu Gln Val Val Ala Leu Leu Leu Gln
20 25 30
Ser Ile Arg Leu Cys Gln Asp Arg Ala Leu Leu Val Asn Asn Ala Tyr
35 40 45
Gln Gly Leu Ala Ser Leu Val Lys Val Ser Glu Leu Ala Ala Phe Lys
50 55 60
Val Val Val Gln Glu Glu Gly Gly Ser Gly Leu Ser Leu Ile Lys Glu
65 70 75 80
Thr Tyr Gln Leu His Arg Asp Asp Pro Glu Val Val Glu Asn Val Gly
85 90 95
Met Leu Leu Val His Leu Ala Ser Tyr Glu Glu Ile Leu Pro Glu Leu
100 105 110
Val Ser Ser Ser Met Lys Ala Leu Leu Gln Glu Ile Lys Glu Arg Phe
115 120 125
Thr Ser Ser Leu Glu Leu Val Ser Cys Val Glu Lys Val Leu Leu Arg
130 135 140
Leu Glu Ala Ala Thr Ser Pro Ser Pro Leu Gly Gly Glu Ala Ala Gln
145 150 155 160
Pro

<210> 1057
<211> 491
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (43)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (44)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1057

Ala Ala Arg Val Gly Arg His Gly Arg Arg Arg Arg Ser Ala Ala Met
1 5 10 15

Ala Gly Arg Gly Gly Ser Ala Leu Leu Ala Leu Cys Gly Ala Leu Ala
20 25 30

Ala Cys Gly Trp Leu Leu Gly Ala Glu Xaa Xaa Xaa Pro Gly Ala Pro
35 40 45

Ala Ala Gly Met Arg Arg Arg Arg Arg Leu Gln Gln Glu Asp Gly Ile
50 55 60

Ser Phe Glu Tyr His Arg Tyr Pro Glu Leu Arg Glu Ala Leu Val Ser
65 70 75 80

Val Trp Leu Gln Cys Thr Ala Ile Ser Arg Ile Tyr Thr Val Gly Arg
85 90 95

Ser Phe Glu Gly Arg Glu Leu Leu Val Ile Glu Leu Ser Asp Asn Pro
100 105 110

Gly Val His Glu Pro Gly Glu Pro Glu Phe Lys Tyr Ile Gly Asn Met
115 120 125

His Gly Asn Glu Ala Val Gly Arg Glu Leu Leu Ile Phe Leu Ala Gln
130 135 140

Tyr Leu Cys Asn Glu Tyr Gln Lys Gly Asn Glu Thr Ile Val Asn Leu
145 150 155 160

Ile His Ser Thr Arg Ile His Ile Met Pro Ser Leu Asn Pro Asp Gly
165 170 175

Phe Glu Lys Ala Ala Ser Gln Pro Gly Glu Leu Lys Asp Trp Phe Val
180 185 190

Gly Arg Ser Asn Ala Gln Gly Ile Asp Leu Asn Arg Asn Phe Pro Asp
195 200 205

Leu Asp Arg Ile Val Tyr Val Asn Glu Lys Glu Gly Gly Pro Asn Asn
210 215 220

His Leu Leu Lys Asn Met Lys Lys Ile Val Asp Gln Asn Thr Lys Leu
225 230 235 240

Ala Pro Glu Thr Lys Ala Val Ile His Trp Ile Met Asp Ile Pro Phe
245 250 255

Val Leu Ser Ala Asn Leu His Gly Gly Asp Leu Val Ala Asn Tyr Pro
 260 265 270
 Tyr Asp Glu Thr Arg Ser Gly Ser Ala His Glu Tyr Ser Ser Ser Pro
 275 280 285
 Asp Asp Ala Ile Phe Gln Ser Leu Ala Arg Ala Tyr Ser Ser Phe Asn
 290 295 300
 Pro Ala Met Ser Asp Pro Asn Arg Pro Pro Cys Arg Lys Asn Asp Asp
 305 310 315 320
 Asp Ser Ser Phe Val Asp Gly Thr Thr Asn Gly Gly Ala Trp Tyr Ser
 325 330 335
 Val Pro Gly Gly Met Gln Asp Phe Asn Tyr Leu Ser Ser Asn Cys Phe
 340 345 350
 Glu Ile Thr Val Glu Leu Ser Cys Glu Lys Phe Pro Pro Glu Glu Thr
 355 360 365
 Leu Lys Thr Tyr Trp Glu Asp Asn Lys Asn Ser Leu Ile Ser Tyr Leu
 370 375 380
 Glu Gln Ile His Arg Gly Val Lys Gly Phe Val Arg Asp Leu Gln Gly
 385 390 395 400
 Asn Pro Ile Ala Asn Ala Thr Ile Ser Val Glu Gly Ile Asp His Asp
 405 410 415
 Val Thr Ser Ala Lys Asp Gly Asp Tyr Trp Arg Leu Leu Ile Pro Gly
 420 425 430
 Asn Tyr Lys Leu Thr Ala Ser Ala Pro Gly Tyr Leu Ala Ile Thr Lys
 435 440 445
 Lys Val Ala Val Pro Tyr Ser Pro Ala Ala Gly Val Asp Phe Glu Leu
 450 455 460
 Glu Ser Phe Ser Glu Arg Lys Glu Glu Glu Lys Glu Glu Leu Met Glu
 465 470 475 480
 Trp Trp Lys Met Met Ser Glu Thr Leu Asn Phe
 485 490

<210> 1058

<211> 79

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (65)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (66)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1058
Met Arg Leu Ala Ser Ser Leu Ser Val Phe Pro Leu Leu Pro Xaa Thr
1 5 10 15
Cys Gly His Ser Xaa Ala Leu Leu Pro Ser Ser Ile Gly Gln His Ser
20 25 30
Glu Thr Phe Thr Arg Cys Arg Pro Leu Thr Phe Pro Val Phe Arg Thr
35 40 45
Xaa Lys Pro Met Asn Pro Tyr Glu Ile Thr Gln Phe Cys Gly Ile Leu
50 55 60
Xaa Xaa Ala Thr Gln Thr Gly Leu Lys Thr Gly Thr Leu His Gly
65 70 75

<210> 1059
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1059
Arg Glu Lys Ser Ser Leu Ser Val Pro Val Leu Val Cys Leu Cys Cys
1 5 10 15
Tyr Asn Arg Ile
20

<210> 1060
<211> 244
<212> PRT
<213> Homo sapiens

<400> 1060

Leu	Val	Pro	Leu	Val	Phe	Ser	Leu	Leu	Val	Gln	Ser	Cys	Lys	Gln	Val
1			5						10					15	
Tyr	Arg	Ser	Ile	Ala	Met	Lys	Phe	Val	Pro	Cys	Leu	Leu	Leu	Val	Thr
			20					25					30		
Leu	Ser	Cys	Leu	Gly	Thr	Leu	Gly	Gln	Ala	Pro	Arg	Gln	Lys	Gln	Gly
		35					40					45			
Ser	Thr	Gly	Glu	Glu	Phe	His	Phe	Gln	Thr	Gly	Gly	Arg	Asp	Ser	Cys
	50					55					60				
Thr	Met	Arg	Pro	Ser	Ser	Leu	Gly	Gln	Gly	Ala	Gly	Glu	Val	Trp	Leu
65					70					75					80
Arg	Val	Asp	Cys	Arg	Asn	Thr	Asp	Gln	Thr	Tyr	Trp	Cys	Glu	Tyr	Arg
				85					90					95	
Gly	Gln	Pro	Ser	Met	Cys	Gln	Ala	Phe	Ala	Ala	Asp	Pro	Lys	Ser	Tyr
			100					105					110		
Trp	Asn	Gln	Ala	Leu	Gln	Glu	Leu	Arg	Arg	Leu	His	His	Ala	Cys	Gln
	115						120					125			
Gly	Ala	Pro	Val	Leu	Arg	Pro	Ser	Val	Cys	Arg	Glu	Ala	Gly	Pro	Gln
	130					135					140				
Ala	His	Met	Gln	Gln	Val	Thr	Ser	Ser	Leu	Lys	Gly	Ser	Pro	Glu	Pro
145					150					155					160
Asn	Gln	Gln	Pro	Glu	Ala	Gly	Thr	Pro	Ser	Leu	Arg	Pro	Lys	Ala	Thr
			165						170					175	
Val	Lys	Leu	Thr	Glu	Ala	Thr	Gln	Leu	Gly	Lys	Asp	Ser	Met	Glu	Glu
		180						185					190		
Leu	Gly	Lys	Ala	Lys	Pro	Thr	Thr	Arg	Pro	Thr	Ala	Lys	Pro	Thr	Gln
	195						200					205			
Pro	Gly	Pro	Arg	Pro	Gly	Gly	Asn	Glu	Glu	Ala	Lys	Lys	Lys	Ala	Trp
	210				215						220				
Glu	His	Cys	Trp	Lys	Pro	Phe	Gln	Ala	Leu	Cys	Ala	Phe	Leu	Ile	Ser
225					230					235					240
Phe	Phe	Arg	Gly												

<210> 1061

<211> 70

<212> PRT

<213> Homo sapiens

<400> 1061

Met Arg Leu Ala Ser Ser Leu Ser Val Phe Pro Leu Leu Pro Leu Thr
1 5 10 15
Cys Gly His Ser Leu Ala Leu Leu Pro Ser Ser Ile Gly Gln His Ser
20 25 30
Glu Thr Phe Thr Arg Cys Arg Pro Leu Thr Phe Pro Val Phe Arg Thr
35 40 45
Ile Asn Gln Val Asn Pro Tyr Lys Ser Pro Ser Leu Trp Tyr Ser Val
50 55 60
Ile Ala Thr Gln Thr Asp
65 70

<210> 1062
<211> 304
<212> PRT
<213> Homo sapiens

<400> 1062
Thr Cys Pro Leu Leu Arg Asn Ser Ser His Ala Glu Pro Ala His Arg
1 5 10 15
Gln Asp Gly Asp Leu Ala Leu Thr Pro Cys Leu Gly Pro Gly Leu Gly
20 25 30
Asn Pro Gly Arg Val Arg Gln Lys Ala Gly Asn Arg Ser Ser Gly Gly
35 40 45
Tyr Ser Leu Arg Gly Gln Gln His Leu Gly Pro Leu Leu Leu Ala Thr
50 55 60
Ala Gly Ala Ala Gly Ala Arg Glu Arg Gly Gln Ala Leu His Gly Val
65 70 75 80
Glu Met Val Ala Val Arg Ala Asp Val Trp His Val Arg Gly Arg Trp
85 90 95
Arg Gln Leu Gly His Arg Pro Val Ala Arg Leu His Gln Leu Phe Ala
100 105 110
Val Val Leu Phe Gln Gln Leu Leu Gln Gly Arg Ser Ile Leu Phe Leu
115 120 125
Leu Cys Asp Gln Ala His Gln Asp Pro Asn Gly Val Leu Ile Gly Ile
130 135 140
Leu Ser Pro Val Gly Arg Val Asp Ser Thr Ala Ser Thr Ser Arg Ala
145 150 155 160
Gly Pro Asp Leu Leu Val Arg Arg Ala Val Val Ala Leu Pro Leu Glu
165 170 175
Glu Val Ala His Gln Asp Ala Gln Gln Pro His Glu Ala Glu Asp Arg

180					185					190					
Asp	Asp	Gly	Asp	Asp	Arg	Val	Leu	Gly	Gly	Cys	Leu	Leu	Trp	Ala	Thr
	195						200					205			
Cys	Pro	Gly	Ala	Val	Pro	Arg	Leu	Pro	Cys	Leu	Thr	Thr	Ala	Ala	Gly
	210					215					220				
Pro	Cys	Cys	His	Leu	His	Ala	Thr	Ser	Gly	Pro	Pro	Pro	Pro	Leu	Ile
225					230					235					240
Thr	Ala	Met	Ser	Thr	Gln	Arg	Cys	Pro	Gly	Thr	Trp	Leu	Thr	Trp	Asn
				245					250					255	
Ala	Gly	Asn	Pro	Pro	Arg	Pro	Lys	Pro	Pro	Arg	Pro	Ala	Val	Ser	Thr
			260					265					270		
Glu	Cys	Ile	Ser	Ser	Cys	His	Ala	His	Leu	Gly	Leu	Gln	Pro	Pro	Pro
	275						280					285			
Lys	Ala	Ala	Thr	Gly	Met	Gly	Leu	Ala	Trp	Ala	Gly	Ala	Pro	Cys	Ser
	290					295					300				

<210> 1063
 <211> 52
 <212> PRT
 <213> Homo sapiens

<400> 1063
 Met Gly Gly Cys Leu Leu Ser Leu Ser Leu Cys Phe Val Pro Val Val
 1 5 10 15
 Arg Leu Ala Ala Ser Val Ala Arg Trp Ala Trp Leu Glu Pro Trp Val
 20 25 30
 Arg Gln Val Ala Gly Gly Asp Arg Glu Arg Leu Arg Gly Lys Trp Trp
 35 40 45
 His Leu Leu Leu
 50

<210> 1064
 <211> 52
 <212> PRT
 <213> Homo sapiens

<400> 1064
 Met Gly Gly Cys Leu Leu Ser Leu Ser Leu Cys Phe Val Pro Val Val
 1 5 10 15

Arg Leu Ala Ala Ser Val Ala Arg Trp Ala Trp Leu Glu Pro Trp Val
20 25 30

Arg Gln Val Ala Gly Gly Asp Arg Glu Arg Leu Arg Gly Lys Trp Trp
35 40 45

His Leu Leu Leu
50

<210> 1065
<211> 58
<212> PRT
<213> Homo sapiens

<400> 1065
Asp Leu Ser Gly Gly Glu Trp Asn Val Thr Thr Arg Thr Arg Leu Trp
1 5 10 15

Glu Ile Gln Pro His Leu Cys Phe Val Met Ile Leu Lys Leu Asp Phe
20 25 30

Ser Cys Arg Asp Phe Leu Ser Ile Leu Pro Gly Val Leu Thr Tyr Ser
35 40 45

Leu Pro Val Lys Arg Phe Lys Lys Lys Asn
50 55

<210> 1066
<211> 21
<212> PRT
<213> Homo sapiens

<400> 1066
Cys Phe Phe Gln Leu Ser Pro Glu Glu Val Ser Trp Cys Pro Asn Val
1 5 10 15

Gly Ser Ser Phe Asp
20

<210> 1067
<211> 37
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1067
Met Gly Lys Leu Xaa Leu Thr Leu Leu Leu Cys Leu Leu Gln Leu Leu

1	5	10	15												
Pro	Pro	Glu	Val	Tyr	Tyr	Ser	Arg	Trp	Gly	Ala	Asn	Met	Met	Ala	Gln
	20							25					30		

Thr	Pro	Leu	Asn	Pro
	35			

<210> 1068
 <211> 62
 <212> PRT
 <213> Homo sapiens

<400> 1068
Met Gly Lys Leu Thr Leu Thr Leu Leu Leu Cys Leu Leu Gln Leu Leu
1 5 10 15

Pro	Pro	Glu	Val	Tyr	Tyr	Ser	Arg	Trp	Gly	Ala	Asn	Met	Met	Ala	Gln
	20							25					30		

Thr	Pro	Leu	Asn	Ser	Met	Arg	Ser	Pro	Trp	Pro	Met	Glu	Ile	Leu	Leu
	35						40					45			

Phe	Phe	Pro	Leu	Phe	Ser	Ser	Ser	Val	Phe	Ile	Gly	Ser	Ala
	50					55					60		

<210> 1069
 <211> 63
 <212> PRT
 <213> Homo sapiens

<400> 1069
Met Ser Leu Asp Ser Leu Val Leu Val Lys Ala Leu Phe Cys Phe Thr
1 5 10 15

Phe	Val	Val	Gln	Ile	Thr	Leu	Ser	Asn	Ile	Ser	Ser	Thr	Asn	Val	Ser
	20							25					30		

Ile	Leu	Val	Phe	Val	His	Thr	Ala	Ile	Thr	Ser	Pro	Leu	Gln	Thr	Phe
	35						40					45			

Gln	Phe	Trp	His	Tyr	Glu	Glu	Val	Ala	Val	Asn	Leu	Lys	Tyr	Leu
	50						55					60		

<210> 1070
 <211> 63
 <212> PRT
 <213> Homo sapiens

<400> 1070
Met Ser Leu Asp Ser Leu Val Leu Val Lys Ala Leu Phe Cys Phe Thr

1	5	10	15
Phe	Val	Val	Gln
	Ile	Thr	Leu
	Ser	Asn	Ile
	Ser	Ser	Thr
	Asn	Val	Ser
	20	25	30
Ile	Leu	Val	Phe
	Val	His	Thr
	Ala	Ile	Thr
	Ser	Pro	Leu
	Gln	Thr	Phe
	35	40	45
Gln	Phe	Trp	His
	Tyr	Glu	Glu
	Val	Ala	Val
	Asn	Leu	Lys
	Tyr	Leu	
	50	55	60

<210> 1071
 <211> 2
 <212> PRT
 <213> Homo sapiens

<400> 1071
 Leu Gln
 1

<210> 1072
 <211> 2
 <212> PRT
 <213> Homo sapiens

<400> 1072
 Leu Gln
 1

<210> 1073
 <211> 48
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (38)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (42)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (44)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1073
 Met Gly Leu Arg Gln Gln Leu Glu Leu Lys Leu Lys Leu Ile Leu Leu

1	5	10	15
Leu Cys Val Phe Trp Phe Lys Ser Cys Thr Tyr Ile Leu Ala Leu Leu			
	20	25	30
Phe Leu Tyr Ser Gly Xaa Met Trp Val Xaa His Xaa Gly Arg Lys Ile			
	35	40	45

<210> 1074
 <211> 261
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (90)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (93)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (169)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (237)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (239)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (240)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (253)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1074
 Thr Val Ala Asp Val Arg Arg Pro Phe Ala Gln Val Asn Val Leu Ala
 1 5 10 15

Glu Glu Val Leu Ile Tyr Arg Ile Val Leu Asn Asp Ile Val Gly Asp
 20 25 30
 Val Val Gln Asp His Gln Val Arg Leu Arg Arg Lys Asp Asp Ala Val
 35 40 45
 Ile Arg Gln Leu Glu Ala Thr Met Leu Val Gly Arg Lys His Arg His
 50 55 60
 Gly Asp Val Leu Val Arg Glu Thr Thr Val Ser Asp Ala Arg Pro Glu
 65 70 75 80
 Asp Arg Val His Phe Arg His Val Cys Xaa Pro Gln Xaa Lys Arg Val
 85 90 95
 Ser Leu Leu Asp Val Val Ile Ala Ala His Arg Leu Ile His Thr Lys
 100 105 110
 Gly Thr His Lys Ala Asn Tyr Cys Arg Arg His Thr Val Thr Arg Val
 115 120 125
 Arg Val Asp Val Val Arg Thr Glu Ala Arg Phe Lys Gln Leu Gly Arg
 130 135 140
 Gly Ile Thr Phe Pro Asp Ser Pro Leu Thr Arg Thr Glu His Thr Asp
 145 150 155 160
 Arg Phe Arg Pro Phe Phe Phe Gln Xaa Gly Phe Glu Phe Leu Phe His
 165 170 175
 His Ile Glu Gly Leu Ile Pro Gly Asp Trp Gly Lys Phe Ala Phe Phe
 180 185 190
 Val Ile Phe Thr Val Phe His Thr Gln Gln Arg Leu Arg Gln Thr Val
 195 200 205
 Phe Thr Val His Asp Phe Gly Gln Glu Ile Ala Leu Asn Ala Val Gln
 210 215 220
 Ala Thr Val Asn Arg Cys Val Arg Val Ala Leu Thr Xaa Gln Xaa Xaa
 225 230 235 240
 Val Pro Ala Ala Phe Arg Pro Glu Arg Arg Asn Gln Xaa Arg Arg Thr
 245 250 255
 Thr Gln Phe Ala Ile
 260

<210> 1075

<211> 61

<212> PRT

<213> Homo sapiens

<400> 1075

Phe Tyr Thr Asn Val Thr Tyr Lys Ser Asp Ala Thr Thr Leu Arg Phe

1 5 10 15
 Pro Gly Arg Cys Asp Phe Ser Ser Ala Trp Glu Val Asp Leu His Gln
 20 25 30
 Pro Phe Gln Cys Ser Ala His Pro Gly Ala Gly Ile Thr Ala Pro His
 35 40 45
 Leu Leu Gly Glu Lys Pro Gly Arg Pro Glu Glu Val Gly
 50 55 60

<210> 1076
 <211> 54
 <212> PRT
 <213> Homo sapiens

<400> 1076
 Met Gly Leu Arg Gln Gln Leu Glu Leu Lys Leu Lys Leu Ile Leu Leu
 1 5 10 15
 Leu Cys Val Phe Trp Phe Lys Ser Cys Thr Tyr Ile Leu Ala Leu Leu
 20 25 30
 Phe Ser Val Val Pro Glu Arg Trp Trp Val Ala Ile Leu Val Gly Lys
 35 40 45
 Ser Glu Phe Ser Tyr Leu
 50

<210> 1077
 <211> 5
 <212> PRT
 <213> Homo sapiens

<400> 1077
 Gln Tyr Leu Leu Ile
 1 5

<210> 1078
 <211> 30
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (2)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1078

Met Xaa Ala Ser Gln Tyr Ile Leu Phe Phe Leu Gln Xaa Leu Gly Xaa
1 5 10 15

Lys Leu Gln Phe Gln Gly Ile Ser Ser Gln Gln Gln Val Glu
20 25 30

<210> 1079

<211> 30

<212> PRT

<213> Homo sapiens

<400> 1079

Met Arg Ala Ser Gln Tyr Ile Leu Phe Phe Leu Gln Phe Leu Gly Phe
1 5 10 15

Lys Leu Gln Phe Gln Gly Ile Ser Ser Gln Gln Gln Val Glu
20 25 30

<210> 1080

<211> 7

<212> PRT

<213> Homo sapiens

<400> 1080

Met Phe Gly Cys Pro Phe Cys
1 5

<210> 1081

<211> 261

<212> PRT

<213> Homo sapiens

<400> 1081

Gly Ile Phe Arg Ser Leu Arg Val Leu Phe Pro Leu Phe Ser Val Gly
1 5 10 15

Arg Pro Gln Phe Ala Arg Ser Leu Ser Ala Ala Pro Gln Leu Ser Asp
20 25 30

Thr Ala Asp Thr Met Gly Phe Gly Asp Leu Lys Ser Pro Ala Gly Leu
35 40 45

Gln Val Leu Asn Asp Tyr Leu Ala Asp Lys Ser Tyr Ile Glu Gly Tyr

50	55	60
Val Pro Ser Gln Ala Asp	Val Ala Val Phe Glu Ala Val Ser Ser Pro	
65	70	75 80
Pro Pro Ala Asp Leu Cys His Ala Leu Arg Trp Tyr Asn His Ile Lys		
	85	90 95
Ser Tyr Glu Lys Glu Lys Ala Ser Leu Pro Gly Val Lys Lys Ala Leu		
	100	105 110
Gly Lys Tyr Gly Pro Ala Asp Val Glu Asp Thr Thr Gly Ser Gly Ala		
	115	120 125
Thr Asp Ser Lys Asp Asp Asp Asp Ile Asp Leu Phe Gly Ser Asp Asp		
	130	135 140
Glu Glu Glu Ser Glu Glu Ala Lys Arg Leu Arg Glu Glu Arg Leu Ala		
	145	150 155 160
Gln Tyr Glu Ser Lys Lys Ala Lys Lys Pro Ala Leu Val Ala Lys Ser		
	165	170 175
Ser Ile Leu Leu Asp Val Lys Pro Trp Asp Asp Glu Thr Asp Met Ala		
	180	185 190
Lys Leu Glu Glu Cys Val Arg Ser Ile Gln Ala Asp Gly Leu Val Trp		
	195	200 205
Gly Ser Ser Lys Leu Val Pro Val Gly Tyr Gly Ile Lys Lys Leu Gln		
	210	215 220
Ile Gln Cys Val Val Glu Asp Asp Lys Val Gly Thr Asp Met Leu Glu		
	225	230 235 240
Glu Gln Ile Thr Ala Phe Glu Asp Tyr Val Gln Ser Met Asp Val Ala		
	245	250 255
Ala Phe Asn Lys Ile		
	260	

<210> 1082
 <211> 11
 <212> PRT
 <213> Homo sapiens

<400> 1082
 Phe Leu Leu Ser Leu His Leu Ala Ala Leu Gln
 1 5 10

<210> 1083
 <211> 41
 <212> PRT

<213> Homo sapiens

<400> 1083

Met Pro Gly Gly Thr Pro Cys Leu Ala Val Pro Ser Ala Asn Thr Glu
1 5 10 15

Ile Lys Leu Trp Ile Trp Tyr Gln Glu Trp Trp Leu Met Pro Val Ile
20 25 30

Pro Ala Leu Trp Glu Ala Glu Asn Ser
35 40

<210> 1084

<211> 141

<212> PRT

<213> Homo sapiens

<400> 1084

Gly Gly Glu Arg His Leu His Arg Thr His Pro Arg Leu Pro Gly His
1 5 10 15

Arg Phe Leu Arg Leu His Arg Ala Pro Arg Val Pro His Val Cys Gly
20 25 30

Val Arg Ala His Gly Ala Gly Val Pro His Leu Val Ser Gly Gly Asp
35 40 45

Glu Val Ser Pro Gly Gly Ala Gly Pro Val Ser His Ser Ala Glu Glu
50 55 60

Gln Pro Val His Gln Val Asp Arg Leu Cys Gly Ala Cys Pro Gly Gln
65 70 75 80

Arg Val Phe Leu Cys Pro Gly Glu Pro Gly Ala Lys Ser Gly Arg His
85 90 95

Leu Ser Gly Gly Val Pro Pro Tyr Thr Glu Cys Asp His Ala Gln Pro
100 105 110

Leu Ala Arg Pro Gly Ala Val Glu Ser Cys Asn His Glu Val Cys Ala
115 120 125

Gln Thr Gly Glu Thr Val Gln Pro Leu Met Ala Arg Arg
130 135 140

<210> 1085

<211> 45

<212> PRT

<213> Homo sapiens

<400> 1085

Met Ser Met Lys Cys Tyr Leu Val Val Leu Ile Cys Ile Pro Leu Met
1 5 10 15

Ala Thr Asp Ala Glu Cys Leu Phe Leu Cys Leu Arg Ala Met Arg Ile
 20 25 30

Ser Leu Glu Lys Gly Leu Ser Arg Ser Phe Ala Tyr Phe
 35 40 45

<210> 1086
 <211> 136
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (3)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (8)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (14)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1086
 Xaa Tyr Xaa Ser Cys Arg Lys Xaa Tyr Leu Thr Tyr Gly Xaa Asn Ser
 1 5 10 15

Arg Val Asp Pro Arg Val Arg His Val Cys Gly Val Arg Ala His Gly
 20 25 30

Ala Gly Val Pro His Leu Val Ser Gly Gly Asp Glu Val Ser Pro Gly
 35 40 45

Gly Ala Gly Pro Val Ser His Ser Ala Glu Glu Gln Pro Val His Gln
 50 55 60

Val Asp Arg Leu Cys Gly Ala Cys Pro Gly Gln Arg Val Phe Leu Cys
 65 70 75 80

Pro Gly Glu Pro Gly Ala Lys Ser Gly Arg His Leu Ser Gly Gly Val
 85 90 95

Pro Pro Tyr Thr Glu Cys Asp His Ala Gln Pro Leu Ala Arg Pro Gly
 100 105 110

Ala Val Glu Ser Cys Asn His Glu Val Cys Ala Gln Thr Gly Glu Thr

115	120	125
Val Gln Pro Leu Met Ala Arg Arg		
130	135	

<210> 1087
 <211> 45
 <212> PRT
 <213> Homo sapiens

<400> 1087
 Met Ser Met Lys Cys Tyr Leu Val Val Leu Ile Cys Ile Pro Leu Met
 1 5 10 15
 Ala Thr Asp Ala Glu Cys Leu Phe Leu Cys Leu Arg Ala Met Arg Ile
 20 25 30
 Ser Leu Glu Lys Gly Leu Ser Arg Ser Phe Ala Tyr Phe
 35 40 45

<210> 1088
 <211> 177
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (90)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (173)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1088
 Leu Asp Ile Lys Val Leu Gln Val Pro Thr Arg Leu Arg Ser Pro Ala
 1 5 10 15
 Gly Phe Thr Gln Trp Ile Gln His Trp Gly Ser Arg Trp Ser Cys Leu
 20 25 30
 Pro Val Pro Arg Cys Ala Pro Ala Leu Leu Ser Pro Trp Val Val Asp
 35 40 45
 Gly Thr Gly Arg Cys Gly Ala Gly Gly Gly Ala Pro Trp Gly Gly Ser
 50 55 60
 Gly Arg Thr Gly Ala His Gly Gly Trp Gly Glu Gly Gln Ala Trp Arg
 65 70 75 80
 Ala Ala Gly Pro Glu Pro Cys Pro Ala Xaa Arg Gln Leu Arg Pro Ser
 85 90 95

Glu Lys Ser Ser Thr Ala Ala Ala Gly Pro Gly Ala Lys Ala Leu Thr
100 105 110

Ala Trp Gly Arg Pro Ala Ala Leu Ser Gly Ala Pro Pro Ser Pro Arg
115 120 125

Pro Pro Gly Thr His Ser Gly Pro Gln Ala Leu Arg Ala Ala Pro Val
130 135 140

Pro Ala Arg Pro Ser Pro Ser Ala Pro Pro Arg Lys Leu Arg Glu Leu
145 150 155 160

Ala Pro Ala Leu Ala Ser Pro Glu Arg Gly Ser Tyr Xaa Ala Ala Ala
165 170 175

Gly

<210> 1089

<211> 414

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (174)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (410)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1089

Met Glu Arg Ala Val Arg Val Glu Ser Gly Val Leu Val Gly Val Val
1 5 10 15

Cys Leu Leu Leu Ala Cys Pro Ala Thr Ala Thr Gly Pro Glu Val Ala
20 25 30

Gln Pro Glu Val Asp Thr Thr Leu Gly Arg Val Arg Gly Arg Gln Val
35 40 45

Gly Val Lys Gly Thr Asp Arg Leu Val Asn Val Phe Leu Gly Ile Pro
50 55 60

Phe Ala Gln Pro Pro Leu Gly Pro Asp Arg Phe Ser Ala Pro His Pro
65 70 75 80

Ala Gln Pro Trp Glu Gly Val Arg Asp Ala Ser Thr Ala Pro Pro Met
85 90 95

Cys Leu Gln Asp Val Glu Ser Met Asn Ser Ser Arg Phe Val Leu Asn
100 105 110

Gly	Lys	Gln	Gln	Ile	Phe	Ser	Val	Ser	Glu	Asp	Cys	Leu	Val	Leu	Asn	115	120	125	
Val	Tyr	Ser	Pro	Ala	Glu	Val	Pro	Ala	Gly	Ser	Gly	Arg	Pro	Val	Met	130	135	140	
Val	Trp	Val	His	Gly	Gly	Ala	Leu	Ile	Thr	Gly	Ala	Ala	Thr	Ser	Tyr	145	150	155	160
Asp	Gly	Ser	Ala	Leu	Ala	Ala	Tyr	Gly	Asp	Val	Val	Val	Xaa	Thr	Val	165	170	175	
Gln	Tyr	Arg	Leu	Gly	Val	Leu	Gly	Phe	Phe	Ser	Thr	Gly	Asp	Glu	His	180	185	190	
Ala	Pro	Gly	Asn	Gln	Gly	Phe	Leu	Asp	Val	Val	Ala	Ala	Leu	Arg	Trp	195	200	205	
Val	Gln	Glu	Asn	Ile	Ala	Pro	Phe	Gly	Gly	Asp	Leu	Asn	Cys	Val	Thr	210	215	220	
Val	Phe	Gly	Gly	Ser	Ala	Gly	Gly	Ser	Ile	Ile	Ser	Gly	Leu	Val	Leu	225	230	235	240
Ser	Pro	Val	Ala	Ala	Gly	Leu	Phe	His	Arg	Ala	Ile	Thr	Gln	Ser	Gly	245	250	255	
Val	Ile	Thr	Thr	Pro	Gly	Ile	Ile	Asp	Ser	His	Pro	Trp	Pro	Leu	Ala	260	265	270	
Gln	Lys	Ile	Ala	Asn	Thr	Leu	Ala	Cys	Ser	Ser	Ser	Ser	Pro	Ala	Glu	275	280	285	
Met	Val	Gln	Cys	Leu	Gln	Gln	Lys	Glu	Gly	Glu	Glu	Leu	Val	Leu	Ser	290	295	300	
Lys	Lys	Leu	Lys	Asn	Thr	Ile	Tyr	Pro	Leu	Thr	Val	Asp	Gly	Thr	Val	305	310	315	320
Phe	Pro	Lys	Ser	Pro	Lys	Glu	Leu	Leu	Lys	Glu	Lys	Pro	Phe	His	Ser	325	330	335	
Val	Pro	Phe	Leu	Met	Gly	Val	Asn	Asn	His	Glu	Phe	Ser	Trp	Leu	Ile	340	345	350	
Pro	Arg	Gly	Trp	Gly	Leu	Leu	Asp	Thr	Met	Glu	Gln	Met	Ser	Arg	Glu	355	360	365	
Asp	Met	Leu	Ala	Ile	Ser	Thr	Pro	Val	Leu	Thr	Ser	Leu	Asp	Val	Pro	370	375	380	
Pro	Glu	Met	Met	Pro	Thr	Val	Ile	Asp	Glu	Tyr	Leu	Gly	Ser	Asn	Ser	385	390	395	400
Asp	Ala	Gln	Ala	Lys	Cys	Gln	Ala	Phe	Xaa	Gly	Ile	His	Gly			405	410		

<210> 1090
<211> 571
<212> PRT
<213> Homo sapiens

<400> 1090
Met Glu Arg Ala Val Arg Val Glu Ser Gly Val Leu Val Gly Val Val
1 5 10 15
Cys Leu Leu Leu Ala Cys Pro Ala Thr Ala Thr Gly Pro Glu Val Ala
20 25 30
Gln Pro Glu Val Asp Thr Thr Leu Gly Arg Val Arg Gly Arg Gln Val
35 40 45
Gly Val Lys Gly Thr Asp Arg Leu Val Asn Val Phe Leu Gly Ile Pro
50 55 60
Phe Ala Gln Pro Pro Leu Gly Pro Asp Arg Phe Ser Ala Pro His Pro
65 70 75 80
Ala Gln Pro Trp Glu Gly Val Arg Asp Ala Ser Thr Ala Pro Pro Met
85 90 95
Cys Leu Gln Asp Val Glu Ser Met Asn Ser Ser Arg Phe Val Leu Asn
100 105 110
Gly Lys Gln Gln Ile Phe Ser Val Ser Glu Asp Cys Leu Val Leu Asn
115 120 125
Val Tyr Ser Pro Ala Glu Val Pro Ala Gly Ser Gly Arg Pro Val Met
130 135 140
Val Trp Val His Gly Gly Ala Leu Ile Thr Gly Ala Ala Thr Ser Tyr
145 150 155 160
Asp Gly Ser Ala Leu Ala Ala Tyr Gly Asp Val Val Val Val Thr Val
165 170 175
Gln Tyr Arg Leu Gly Val Leu Gly Phe Phe Ser Thr Gly Asp Glu His
180 185 190
Ala Pro Gly Asn Gln Gly Phe Leu Asp Val Val Ala Ala Leu Arg Trp
195 200 205
Val Gln Glu Asn Ile Ala Pro Phe Gly Gly Asp Leu Asn Cys Val Thr
210 215 220
Val Phe Gly Gly Ser Ala Gly Gly Ser Ile Ile Ser Gly Leu Val Leu
225 230 235 240
Ser Pro Val Ala Ala Gly Leu Phe His Arg Ala Ile Thr Gln Ser Gly
245 250 255

Val	Ile	Thr	Thr	Pro	Gly	Ile	Ile	Asp	Ser	His	Pro	Trp	Pro	Leu	Ala		
				260				265					270				
Gln	Lys	Ile	Ala	Asn	Thr	Leu	Ala	Cys	Ser	Ser	Ser	Ser	Pro	Ala	Glu		
		275					280						285				
Met	Val	Gln	Cys	Leu	Gln	Gln	Lys	Glu	Gly	Glu	Glu	Leu	Val	Leu	Ser		
	290					295					300						
Lys	Lys	Leu	Lys	Asn	Thr	Ile	Tyr	Pro	Leu	Thr	Val	Asp	Gly	Thr	Val		
305					310					315					320		
Phe	Pro	Lys	Ser	Pro	Lys	Glu	Leu	Leu	Lys	Glu	Lys	Pro	Phe	His	Ser		
				325					330					335			
Val	Pro	Phe	Leu	Met	Gly	Val	Asn	Asn	His	Glu	Phe	Ser	Trp	Leu	Ile		
			340					345					350				
Pro	Arg	Gly	Trp	Gly	Leu	Leu	Asp	Thr	Met	Glu	Gln	Met	Ser	Arg	Glu		
		355					360					365					
Asp	Met	Leu	Ala	Ile	Ser	Thr	Pro	Val	Leu	Thr	Ser	Leu	Asp	Val	Pro		
	370					375					380						
Pro	Glu	Met	Met	Pro	Thr	Val	Ile	Asp	Glu	Tyr	Leu	Gly	Ser	Asn	Ser		
385					390					395				400			
Asp	Ala	Gln	Ala	Lys	Cys	Gln	Ala	Phe	Gln	Glu	Phe	Met	Gly	Asp	Val		
				405					410					415			
Phe	Ile	Asn	Val	Pro	Thr	Val	Ser	Phe	Ser	Arg	Tyr	Leu	Arg	Asp	Ser		
		420						425					430				
Gly	Ser	Pro	Val	Phe	Phe	Tyr	Glu	Phe	Gln	His	Arg	Pro	Ser	Ser	Phe		
	435						440					445					
Ala	Lys	Ile	Lys	Pro	Ala	Trp	Val	Lys	Ala	Asp	His	Gly	Ala	Glu	Gly		
	450					455				460							
Ala	Phe	Val	Phe	Gly	Gly	Pro	Phe	Leu	Met	Asp	Glu	Ser	Ser	Arg	Leu		
465					470				475					480			
Ala	Phe	Pro	Glu	Ala	Thr	Glu	Glu	Glu	Lys	Gln	Leu	Ser	Leu	Thr	Met		
				485				490						495			
Met	Ala	Gln	Trp	Thr	His	Phe	Ala	Arg	Thr	Gly	Asp	Pro	Asn	Ser	Lys		
		500						505					510				
Ala	Leu	Pro	Pro	Trp	Pro	Gln	Phe	Asn	Gln	Ala	Glu	Gln	Tyr	Leu	Glu		
	515					520						525					
Ile	Asn	Pro	Val	Pro	Arg	Ala	Gly	Gln	Lys	Phe	Arg	Glu	Ala	Trp	Met		
	530					535					540						
Gln	Phe	Trp	Ser	Glu	Thr	Leu	Pro	Ser	Lys	Ile	Gln	Gln	Trp	His	Gln		
545					550					555					560		

Lys Gln Lys Asn Arg Lys Ala Gln Glu Asp Leu
565 570

<210> 1091
<211> 68
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (68)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1091
Met Ile Ser Ser Leu Leu Ser Lys Ala Val Leu Ser Leu Trp Ile Ser
1 5 10 15

Val Phe Ser Trp Asn Val Leu Gly Cys Lys Lys Leu Lys Thr Ile Ile
20 25 30

Leu Gln Cys Phe Lys Glu Ala Ser Asp Leu Val Leu Arg Glu Arg Tyr
35 40 45

Leu Gly Val Val Gln Ala Leu Ser Asp Asp Phe Ser Phe Cys Phe Thr
50 55 60

Ile Leu Ser Xaa
65

<210> 1092
<211> 56
<212> PRT
<213> Homo sapiens

<400> 1092
Val Ser Lys Leu Phe Asp Leu Val Arg Val Ala Leu Trp Glu Ser Thr
1 5 10 15

Phe Leu Ser Leu Ser Leu Ser Val Pro Ser Val Cys Ala Met Phe Arg
20 25 30

Ser Ser Glu Glu Ser Lys Ile Ser Ser Glu Phe Lys Ile Ile Phe Val
35 40 45

Phe Leu Leu Phe Asn Val Met Glu
50 55

<210> 1093
<211> 66
<212> PRT
<213> Homo sapiens

<400> 1093

Met Ile Ser Ser Leu Leu Ser Lys Ala Val Leu Ser Leu Trp Ile Ser
1 5 10 15

Val Phe Ser Trp Asn Val Leu Gly Cys Lys Lys Leu Lys Thr Ile Ile
20 25 30

Leu Gln Cys Phe Lys Glu Ala Ser Asp Leu Phe Leu Arg Glu Arg Tyr
35 40 45

Leu Gly Val Val Gln Ser Leu Ser Asp Asp Phe Phe Phe Leu Leu His
50 55 60

His Pro
65

<210> 1094

<211> 21

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1094

Arg Trp Arg Gly Ala Ser Thr Pro His Arg Asp Tyr Leu Ser Xaa Arg
1 5 10 15

Tyr Cys Ala Cys Gly
20

<210> 1095

<211> 11

<212> PRT

<213> Homo sapiens

<400> 1095

Trp Gln Ile Leu Leu Ile Ala Leu Leu Leu Ile
1 5 10

<210> 1096

<211> 38

<212> PRT

<213> Homo sapiens

<400> 1096

Met Leu Arg Trp Arg Leu Leu Ala Thr Ala Leu Ile Ala Leu Cys Arg
1 5 10 15

Arg Ser Ala Ser Ser Val Ala Ser Gly Glu Pro Pro Asp Ser Pro Pro
20 25 30

Cys Pro Trp Arg Arg Arg
35

<210> 1097

<211> 76

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (62)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (70)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (71)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (74)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1097

Met Leu His Met Tyr Ser Gln Lys Asp Pro Leu Ile Leu Cys Val Arg
1 5 10 15

Leu Ala Val Leu Leu Ala Val Thr Leu Thr Val Pro Val Val Leu Phe
20 25 30

Pro Ile Arg Arg Ala Leu Gln Gln Leu Leu Phe Pro Gly Lys Ala Phe
35 40 45

Ser Trp Pro Arg His Val Ala Ile Ala Leu Ile Leu Leu Xaa Leu Val
50 55 60

Asn Val Leu Ala Ser Xaa Xaa Gln Pro Xaa Gly Ile
65 70 75

<210> 1098

<211> 54

<212> PRT

<213> Homo sapiens

<220>
 <221> SITE
 <222> (26)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (27)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (36)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (40)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (44)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (47)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (49)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1098
 Met Leu His Met Tyr Ser Gln Lys Asp Pro Leu Ile Leu Cys Val Pro
 1 5 10 15
 Pro Gly Arg Ala Ala Arg Gly Asp Pro Xaa Xaa Ala Ser Arg Ala Gly
 20 25 30
 Pro Tyr Pro Xaa Gly Pro Ala Xaa Ala Ala Phe Xaa Arg Gln Xaa Leu
 35 40 45
 Xaa Leu Gly Thr Thr Trp
 50

<210> 1099
 <211> 148
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE



<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1099

Leu Xaa Met Tyr Ser Gln Lys Asp Pro Leu Ile Leu Cys Val Arg Leu
1 5 10 15

Xaa Val Leu Leu Ala Val Thr Leu Thr Val Pro Val Val Leu Phe Pro
20 25 30

Ile Arg Arg Ala Leu Gln Gln Leu Leu Phe Pro Gly Lys Ala Phe Ser
35 40 45

Trp Pro Arg His Val Ala Ile Ala Leu Ile Leu Leu Val Leu Val Asn
50 55 60

Val Leu Val Ile Cys Val Pro Thr Ile Arg Asp Ile Phe Gly Val Ile
65 70 75 80

Gly Ser Thr Ser Ala Pro Ser Leu Ile Phe Ile Leu Pro Ser Ile Phe
85 90 95

Tyr Leu Arg Ile Val Pro Ser Glu Val Glu Pro Phe Leu Ser Trp Pro
100 105 110

Lys Ile Gln Ala Leu Cys Phe Gly Val Leu Gly Val Leu Phe Met Ala
115 120 125

Val Ser Leu Gly Phe Met Phe Ala Asn Trp Ala Thr Gly Gln Ser Arg
130 135 140

Met Ser Gly His
145

<210> 1100

<211> 149

<212> PRT

<213> Homo sapiens

<400> 1100

Met Leu His Met Tyr Ser Gln Lys Asp Pro Leu Ile Leu Cys Val Arg
1 5 10 15

Leu Ala Val Leu Leu Ala Val Thr Leu Thr Val Pro Val Val Leu Phe
20 25 30

Pro Ile Arg Arg Ala Leu Gln Gln Leu Leu Phe Pro Gly Lys Ala Phe
35 40 45

Ser Trp Pro Arg His Val Ala Ile Ala Leu Ile Leu Leu Val Leu Val

50	55	60
Asn Val Leu Val Ile Cys Val Pro Thr Ile Arg Asp Ile Phe Gly Val		
65	70	75 80
Ile Gly Ser Thr Ser Ala Pro Ser Leu Ile Phe Ile Leu Pro Ser Ile		
	85	90 95
Phe Tyr Leu Arg Ile Val Pro Ser Glu Val Glu Pro Phe Leu Ser Trp		
	100	105 110
Pro Lys Ile Gln Ala Leu Cys Phe Gly Val Leu Gly Val Leu Phe Met		
	115	120 125
Ala Val Ser Leu Gly Phe Met Phe Ala Asn Trp Ala Thr Gly Gln Ser		
	130	135 140
Arg Met Ser Gly His		
145		

<210> 1101
 <211> 40
 <212> PRT
 <213> Homo sapiens

<400> 1101
Met Ile Leu Arg Gly Val Tyr Ser Met Val Pro Ile Tyr Thr His Met
1 5 10 15
Ile Phe Leu Phe Thr Phe Phe Leu Thr Ile Ser Gly Lys Tyr Phe Lys
20 25 30
Ile Phe Glu Lys His Ser Arg Ile
35 40

<210> 1102
 <211> 40
 <212> PRT
 <213> Homo sapiens

<400> 1102
Met Ile Leu Arg Gly Val Tyr Ser Met Val Pro Ile Tyr Thr His Met
1 5 10 15
Ile Phe Leu Phe Thr Phe Phe Leu Thr Ile Ser Gly Lys Tyr Phe Lys
20 25 30
Ile Phe Glu Lys His Ser Arg Ile
35 40

<210> 1103

<211> 56
<212> PRT
<213> Homo sapiens

<400> 1103
Met Asn Leu Trp Leu Gly Ala Leu Ile Pro Val Thr Val His Leu Lys
1 5 10 15
Arg Met Trp Ser His Pro Lys Phe Gln Ala Gln Lys Thr Phe Pro Leu
20 25 30
Ser Lys Ser Pro Lys Tyr His Pro Val Phe Leu Leu Val Ile Ile Met
35 40 45
Ala Arg Ser Ser Gln Leu Lys Arg
50 55

<210> 1104
<211> 106
<212> PRT
<213> Homo sapiens

<400> 1104
Gln Gly Phe Ile Phe Trp Thr Gln Tyr Asn Ile Gly Tyr Ile Ser Leu
1 5 10 15
Arg Ser Ile Gly Phe Gln His Lys Ser Leu Pro Ile Arg Lys Ser Lys
20 25 30
Trp Arg Lys His Gln Ile Ile Ile Ile Thr Gln Gln Lys Cys Gly
35 40 45
Asp Trp Gln Trp Phe Trp Gly Phe Ile Ser Ser Ile Arg Ala Ser Ala
50 55 60
Ser His Phe Met Lys Leu Leu Pro Ser Glu Arg Thr Leu Asn Thr Pro
65 70 75 80
Arg Ser Tyr Cys Ser Phe Phe Leu Asn Gly Ile Leu Lys Asn Trp Leu
85 90 95
Lys Arg Glu Glu His Ser Lys Tyr Ile Leu
100 105

<210> 1105
<211> 56
<212> PRT
<213> Homo sapiens

<400> 1105
Met Asn Leu Trp Leu Gly Ala Leu Ile Pro Val Thr Val His Leu Lys
1 5 10 15

Arg Met Trp Ser His Pro Lys Phe Gln Ala Gln Lys Thr Phe Pro Leu
20 25 30

Ser Lys Ser Pro Lys Tyr His Pro Val Phe Leu Leu Val Ile Ile Met
35 40 45

Ala Arg Ser Ser Gln Leu Lys Arg
50 55

<210> 1106
<211> 116
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1106
Val Gly Phe Gln Gly Leu Glu Gly Asn Pro Pro Pro Ala Xaa Leu Asn
1 5 10 15

Gly Leu Glu Gly Lys Gly Lys Leu Xaa Lys Lys Ala Gln Gly Thr Gly
20 25 30

Xaa Lys Ile Ile Phe Trp Pro Lys Glu Ser Lys Thr Pro Ser Gly Ser
35 40 45

Pro Lys Pro Ala Lys Ala Ala Asn Ser Lys Ser Lys Glu Ser Asp Glu
50 55 60

Pro His His Ser Lys Asn Glu Arg Pro Ala Arg Pro Pro Pro Pro Ile
65 70 75 80

Met Thr Asp Gly Glu Asp Ala Asp Tyr Thr His Phe Thr Asn Gln Gln
85 90 95

Ser Ser Thr Arg His Phe Ser Lys Ser Glu Ser Ser His Lys Gly Phe
100 105 110

His Tyr Lys His
115

<210> 1107
<211> 4
<212> PRT
<213> Homo sapiens

<400> 1107
Val Leu Arg Asn
1

<210> 1108
<211> 4
<212> PRT
<213> Homo sapiens

<400> 1108
Val Leu Arg Asn
1

<210> 1109
<211> 54
<212> PRT
<213> Homo sapiens

<400> 1109
Met Ser Ser Leu Gly Leu Gln Glu Pro Gln Lys Asn Leu Thr Ser Phe
1 5 10 15

Pro Gln Ile Ser Pro Tyr Pro Leu Ser Ile Phe Thr Pro Ile Ile Ile
20 25 30

Tyr Phe His Thr Ile Gln Leu Ser Lys Asp Ser Trp Arg Leu Thr Cys
35 40 45

Ile Phe Arg Leu Thr Glu
50

<210> 1110
<211> 5
<212> PRT
<213> Homo sapiens

<400> 1110
Thr Thr Met Thr Gly
1 5

<210> 1111
<211> 40
<212> PRT

<213> Homo sapiens

<400> 1111

Met Pro Thr Thr Val Gly Ala Gln Ile Phe Ile Phe Ile Phe Leu Leu
1 5 10 15

Cys Thr Leu Phe Phe Leu Pro Phe Tyr Gly Cys Leu Lys Ser Arg Glu
20 25 30

Lys Gly Arg Leu Val Asn Asp Glu
35 40

<210> 1112

<211> 40

<212> PRT

<213> Homo sapiens

<400> 1112

Met Pro Thr Thr Val Gly Ala Gln Ile Phe Ile Phe Ile Phe Leu Leu
1 5 10 15

Cys Thr Leu Phe Phe Leu Pro Phe Tyr Gly Cys Leu Lys Ser Arg Glu
20 25 30

Lys Gly Arg Leu Val Asn Asp Glu
35 40

<210> 1113

<211> 101

<212> PRT

<213> Homo sapiens

<400> 1113

Val Asp Pro Arg Val Arg Thr Ser Ser Arg Ser Arg Ala Ala Ala Leu
1 5 10 15

Phe Glu Cys Phe Leu Met Val Phe Leu Leu Lys Cys Gln Val Asn Asn
20 25 30

Phe Asn Pro Ile Gln Gln Tyr Ser Leu Phe Pro Leu Lys Ser Ser Gly
35 40 45

Thr Cys Ser Ile Ser Leu Phe Cys Met Arg Gly Leu Tyr Phe Cys Leu
50 55 60

Gly Val Val Ile Cys Thr His Ala Ile Leu Leu Lys Pro Ser Cys Leu
65 70 75 80

Val Leu Phe Leu Glu Ser Phe Phe Phe Pro Val Leu Met Tyr Ala Gly
85 90 95

Phe Gly Asn Ser Ser
100

<210> 1114
<211> 216
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (86)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1114
Met Lys Glu Arg Lys Gly Phe Asn Leu Gln Gly Pro Leu Ile Leu Trp
1 5 10 15
Ser Phe Cys Leu Ala Ile Phe Ser Ile Leu Gly Ala Val Arg Met Trp
20 25 30
Gly Ile Met Gly Thr Val Leu Leu Thr Gly Gly Leu Lys Gln Thr Val
35 40 45
Cys Phe Ile Asn Phe Ile Asp Asn Ser Thr Val Lys Phe Trp Ser Trp
50 55 60
Val Phe Leu Leu Ser Lys Val Ile Glu Leu Gly Asp Thr Ala Phe Ile
65 70 75 80
Ile Leu Arg Lys Arg Xaa Leu Ile Phe Ile His Trp Tyr His His Ser
85 90 95
Thr Val Leu Val Tyr Thr Ser Phe Gly Tyr Lys Asn Lys Val Pro Ala
100 105 110
Gly Gly Trp Phe Val Thr Met Asn Phe Gly Val His Ala Ile Met Tyr
115 120 125
Thr Tyr Tyr Thr Leu Lys Ala Ala Asn Val Lys Pro Pro Lys Met Leu
130 135 140
Pro Met Leu Ile Thr Ser Leu Gln Ile Leu Gln Met Phe Val Gly Ala
145 150 155 160
Ile Val Ser Ile Leu Thr Tyr Ile Trp Arg Gln Asp Gln Gly Cys His
165 170 175
Thr Thr Met Glu His Leu Phe Trp Ser Phe Ile Leu Tyr Met Thr Tyr
180 185 190
Phe Ile Leu Phe Ala His Phe Phe Cys Gln Thr Tyr Ile Arg Pro Lys
195 200 205
Val Lys Ala Lys Thr Lys Ser Gln
210 215

<210> 1115
<211> 216
<212> PRT
<213> Homo sapiens

<400> 1115

Met	Lys	Glu	Arg	Lys	Gly	Phe	Asn	Leu	Gln	Gly	Pro	Leu	Ile	Leu	Trp
1				5					10					15	
Ser	Phe	Cys	Leu	Ala	Ile	Phe	Ser	Ile	Leu	Gly	Ala	Val	Arg	Met	Trp
			20					25					30		
Gly	Ile	Met	Gly	Thr	Val	Leu	Leu	Thr	Gly	Gly	Leu	Lys	Gln	Thr	Val
		35					40					45			
Cys	Phe	Ile	Asn	Phe	Ile	Asp	Asn	Ser	Thr	Val	Lys	Phe	Trp	Ser	Trp
	50					55					60				
Val	Phe	Leu	Leu	Ser	Lys	Val	Ile	Glu	Leu	Gly	Asp	Thr	Ala	Phe	Ile
65					70					75					80
Ile	Leu	Arg	Lys	Arg	Pro	Leu	Ile	Phe	Ile	His	Trp	Tyr	His	His	Ser
			85						90					95	
Thr	Val	Leu	Val	Tyr	Thr	Ser	Phe	Gly	Tyr	Lys	Asn	Lys	Val	Pro	Ala
		100						105					110		
Gly	Gly	Trp	Phe	Val	Thr	Met	Asn	Phe	Gly	Val	His	Ala	Ile	Met	Tyr
		115					120					125			
Thr	Tyr	Tyr	Thr	Leu	Lys	Ala	Ala	Asn	Val	Lys	Pro	Pro	Lys	Met	Leu
	130					135					140				
Pro	Met	Leu	Ile	Thr	Ser	Leu	Gln	Ile	Leu	Gln	Met	Phe	Val	Gly	Ala
145					150					155					160
Ile	Val	Ser	Ile	Leu	Thr	Tyr	Ile	Trp	Arg	Gln	Asp	Gln	Gly	Cys	His
			165						170					175	
Thr	Thr	Met	Glu	His	Leu	Phe	Trp	Ser	Phe	Ile	Leu	Tyr	Met	Thr	Tyr
		180						185					190		
Phe	Ile	Leu	Phe	Ala	His	Phe	Phe	Cys	Gln	Thr	Tyr	Ile	Arg	Pro	Lys
		195					200					205			
Val	Lys	Ala	Lys	Thr	Lys	Ser	Gln								
	210					215									

<210> 1116
<211> 16
<212> PRT
<213> Homo sapiens

<400> 1116

Val Leu Gly Leu Gly Val Val Leu Thr Pro Ile Ile Pro Val Leu Trp
 1 5 10 15

<210> 1117

<211> 55

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (30)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1117

Asn Asn Leu Cys Phe Ile Ser Pro Phe Thr Ser Met Tyr Trp Leu Ala
 1 5 10 15

Gln Phe Ile Val Ser Glu Lys Gln Gly Thr His Leu His Xaa Leu Gln
 20 25 30

Glu Thr Val Leu Pro Phe Asn Leu Lys Thr Arg Lys Leu Asn Phe Asn
 35 40 45

Arg Asn Leu Leu Ser Met Leu
 50 55

<210> 1118

<211> 32

<212> PRT

<213> Homo sapiens

<400> 1118

Met His Met Trp Ile Leu Ser Leu His Phe Ile Phe Thr Pro Arg Leu
 1 5 10 15

Val Leu Cys Glu Val Arg Pro Asn Lys Ile Val Glu Asp Thr Ile Ile
 20 25 30

<210> 1119

<211> 1

<212> PRT

<213> Homo sapiens

<400> 1119

Ala

1

<210> 1120
<211> 51
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1120
Met Glu Leu Leu Gln Ala Lys Lys Leu Leu Leu Leu Gly Leu Phe
1 5 10 15
Val Ser Cys Xaa Ser Asn Ile Arg Lys Thr Glu Pro Cys Phe Gly Leu
20 25 30
Asp Ser Ile Thr Phe Xaa Asp Pro Lys Lys Lys Cys Leu Ser Asn Leu
35 40 45
Lys Ser Cys
50

<210> 1121
<211> 51
<212> PRT
<213> Homo sapiens

<400> 1121
Met Glu Leu Leu Gln Ala Lys Lys Leu Leu Leu Leu Gly Leu Phe
1 5 10 15
Val Ser Cys Cys Ser Asn Ile Arg Lys Thr Glu Pro Cys Phe Gly Leu
20 25 30
Asp Ser Ile Thr Phe Arg Asp Pro Lys Lys Lys Cys Leu Cys Asn Leu
35 40 45
Lys Ser Cys
50

<210> 1122
<211> 2
<212> PRT

<213> Homo sapiens

<400> 1122

Tyr Phe

1

<210> 1123

<211> 88

<212> PRT

<213> Homo sapiens

<400> 1123

Leu Thr Thr Pro Tyr Gly Gly Leu Cys Lys Gln Ser Thr Arg Gly Ser
1 5 10 15

Ile Ile Ser Thr Trp Gln Cys Thr Trp Trp Leu Cys Asp Leu Glu Lys
20 25 30

Val Ser Tyr Ser Cys Leu Cys Val Leu Thr Leu Glu Thr Glu Thr Leu
35 40 45

Phe Val Val Phe Thr Leu Phe Gln Gln Gln Lys Leu Phe Gln Gly Lys
50 55 60

Ser Tyr Arg Thr Phe Lys His Val Cys Ile His Thr Tyr Pro Ile Pro
65 70 75 80

His Tyr Ile Lys Val Ile Leu Leu
85

<210> 1124

<211> 82

<212> PRT

<213> Homo sapiens

<400> 1124

Met Asn Leu Gly Trp Tyr Gln Met His Pro Leu Lys Met Ile Trp Leu
1 5 10 15

Thr Ile Phe Leu Thr Trp Leu Met Arg Gln Ala Ser Pro Thr Gly His
20 25 30

Asp Leu Glu Val Lys Val Phe Cys Cys Tyr Cys Gly Leu Lys Tyr Leu
35 40 45

Val Met Gly Glu Glu Cys Arg Val Val Ala Leu Ala Gln Thr Gln Glu
50 55 60

Asn Pro Phe Ser Pro Leu Phe Tyr Phe Cys Tyr Ser Asp His Leu Ser
65 70 75 80

Pro Phe

<210> 1125
<211> 82
<212> PRT
<213> Homo sapiens

<400> 1125
Met Asn Leu Gly Trp Tyr Gln Met His Pro Leu Lys Met Ile Trp Leu
1 5 10 15
Thr Ile Phe Leu Thr Trp Leu Met Arg Gln Ala Ser Pro Thr Gly His
20 25 30
Asp Leu Glu Val Lys Val Phe Cys Cys Tyr Cys Gly Leu Lys Tyr Leu
35 40 45
Val Met Gly Glu Glu Cys Arg Val Val Ala Leu Ala Gln Thr Gln Glu
50 55 60
Asn Pro Phe Ser Pro Leu Phe Tyr Phe Cys Tyr Ser Asp His Leu Ser
65 70 75 80
Pro Phe

<210> 1126
<211> 84
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1126
Met Gly Thr Phe Ser Leu Met Leu Leu Leu Leu Pro Ser Val Val Cys
1 5 10 15
Xaa Ser Phe Lys Val Arg Pro Leu Phe Cys Arg Ala Ala Val Val Cys
20 25 30
Ser Gly Ser Thr Ser Asp Pro Ile His Leu Gly Pro Ser His Thr Trp
35 40 45
Arg Cys His Gln Trp Arg Leu Gln Asn Ser Lys Asp Gly Cys Leu Leu
50 55 60
Leu Pro Pro Gly Ser Pro Ser Gln Arg Glu Thr Asp Leu Met Leu Ala
65 70 75 80
Gly Met Leu Leu

<210> 1127
<211> 25
<212> PRT
<213> Homo sapiens

<400> 1127
Gly Leu Phe Ala Leu Ser Phe Leu Phe Leu Leu Val Val Met Leu Gly
1 5 10 15
Cys Gln Phe Asp Ile Phe Leu Ala Phe
20 25

<210> 1128
<211> 84
<212> PRT
<213> Homo sapiens

<400> 1128
Met Gly Thr Phe Ser Leu Met Leu Leu Leu Leu Pro Ser Val Val Cys
1 5 10 15
Phe Ser Phe Lys Val Arg Pro Leu Phe Cys Arg Ala Ala Val Val Cys
20 25 30
Ser Gly Ser Thr Ser Asp Pro Ile His Leu Gly Pro Ser His Thr Trp
35 40 45
Arg Cys His Gln Trp Arg Leu Gln Asn Ser Lys Asp Gly Cys Leu Leu
50 55 60
Leu Pro Pro Gly Ser Pro Ser Gln Arg Glu Thr Asp Leu Met Leu Ala
65 70 75 80
Gly Met Leu Leu

<210> 1129
<211> 219
<212> PRT
<213> Homo sapiens

<400> 1129
Met Glu Met Ala Ser Lys Met Lys Asp Thr Gly Phe Ile Val Phe Ala
1 5 10 15
Val Leu Leu Leu Val Ser Cys Leu Ile Leu Ile Phe Val Ile Ala Pro
20 25 30
Arg Tyr Gly Gln Arg Asn Ile Leu Ile Tyr Ile Ile Ile Cys Ser Val
35 40 45

Ile Gly Ala Phe Ser Val Ala Ala Val Lys Gly Leu Gly Ile Thr Ile
 50 55 60
 Lys Asn Phe Phe Gln Gly Leu Pro Val Val Arg His Pro Leu Pro Tyr
 65 70 75 80
 Ile Leu Ser Leu Ile Leu Ala Leu Ser Leu Ser Thr Gln Val Asn Phe
 85 90 95
 Leu Asn Arg Ala Leu Asp Ile Phe Asn Thr Ser Leu Val Phe Pro Ile
 100 105 110
 Tyr Tyr Val Phe Phe Thr Thr Val Val Val Thr Ser Ser Ile Ile Leu
 115 120 125
 Phe Lys Glu Trp Tyr Ser Met Ser Ala Val Asp Ile Ala Gly Thr Leu
 130 135 140
 Ser Gly Phe Val Thr Ile Ile Leu Gly Val Phe Met Leu His Ala Phe
 145 150 155 160
 Lys Asp Leu Asp Ile Ser Cys Ala Ser Leu Pro His Met His Lys Asn
 165 170 175
 Pro Pro Pro Ser Pro Ala Pro Glu Pro Thr Val Ile Arg Leu Glu Asp
 180 185 190
 Lys Asn Val Leu Val Asp Asn Ile Glu Leu Ala Ser Thr Ser Ser Pro
 195 200 205
 Glu Glu Lys Pro Lys Val Phe Ile Ile His Ser
 210 215

<210> 1130
 <211> 219
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (104)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (197)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1130
 Met Glu Met Ala Ser Lys Met Lys Asp Thr Gly Phe Ile Val Phe Ala
 1 5 10 15

Val Leu Leu Leu Val Ser Cys Leu Ile Leu Ile Phe Val Ile Ala Pro
 20 25 30

Phe Phe Gln Gly Leu Pro Val Val Arg His Pro Leu Pro Tyr Ile Leu
 65 70 75 80
 Ser Leu Ile Leu Ala Leu Ser Leu Ser Thr Gln Val Asn Phe Leu Asn
 85 90 95
 Arg Ala Leu Asp Ile Phe Asn Thr Ser Leu Val Phe Pro Ile Tyr Tyr
 100 105 110
 Val Phe Phe Thr Thr Val Val Val Thr Ser Ser Ile Ile Leu Phe Lys
 115 120 125
 Glu Trp Tyr Ser Met Ser Ala Val Asp Ile Ala Gly Thr Leu Ser Gly
 130 135 140
 Phe Val Thr Ile Ile Leu Gly Val Phe Met Leu His Ala Phe Lys Asp
 145 150 155 160
 Leu Asp Ile Ser Cys Ala Ser Leu Pro His Met His Lys Asn Pro Pro
 165 170 175
 Pro Ser Pro Ala Pro Glu Pro Thr Val Ile Arg Leu Glu Asp Lys Asn
 180 185 190
 Val Leu Val Asp Asn Ile Glu Leu Ala Ser Thr Ser Ser Pro Glu Glu
 195 200 205
 Lys Pro Lys Val Phe Ile Ile His Ser
 210 215

<210> 1132
 <211> 253
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (215)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (252)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (253)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1132
 Met Gln Ala Cys Val Leu Leu Leu Gly Leu Val Leu Ser Ala Gln Leu
 1 5 10 15

Gln Ser Pro Glu Asn Met Arg Met Gly Gly Gly Arg Val Leu Leu Arg

20					25					30						
Ala	His	Pro	Val	Pro	Ala	Gly	Gly	Gly	Gln	Cys	Gln	Ser	Ser	Ala	Lys	
35					40					45						
Gly	Pro	Trp	Val	Gly	Thr	Gly	Pro	Glu	Arg	Glu	Glu	Arg	Asp	Ser	Pro	
50					55					60						
Glu	Gly	Arg	Trp	Ala	Ser	Tyr	Trp	Ala	Gln	Ser	Trp	Glu	Gly	Val	Ala	
65					70					75					80	
Ala	Ser	Thr	Gly	Trp	Ala	Trp	Thr	Pro	Leu	Ala	Pro	Thr	Pro	Ser	Gly	
85					90					95						
Cys	Gly	Cys	Ser	Leu	Ser	Leu	Glu	Ser	Arg	Thr	Gly	Pro	Gly	Cys	Leu	
100					105					110						
Gly	Gly	Cys	Gln	Val	Pro	Pro	Glu	Leu	Pro	Arg	Ala	Pro	Thr	Cys	Lys	
115					120					125						
Cys	Gln	Pro	Gln	Gly	Ser	Ala	Gln	Met	Arg	Pro	Ser	Gln	Leu	Gln	Pro	
130					135					140						
Ala	Met	Pro	Trp	Asp	Ala	His	Arg	Glu	Gly	Gly	Gly	Phe	Gly	Leu	Leu	
145					150					155					160	
Ser	Pro	Trp	Glu	Arg	Leu	Gly	Ala	Val	Thr	Ala	Arg	Leu	Ala	Gln	Ala	
165					170					175						
His	Cys	Arg	Val	Gly	Trp	Leu	Pro	Gln	Pro	Gly	Leu	Gly	Gly	Thr	Pro	
180					185					190						
Gly	Ser	Gly	Pro	Pro	Cys	Leu	Glu	Ser	Gln	Trp	Gly	Asp	Gly	Glu	Glu	
195					200					205						
Thr	Trp	Pro	Pro	Met	Ala	Xaa	Gly	Gln	Leu	Arg	Thr	Arg	Thr	Cys	Trp	
210					215					220						
Ser	Trp	Lys	Cys	Cys	Gly	Val	Glu	Gly	Trp	Gly	Gly	Gln	Leu	Leu	Thr	
225					230					235					240	
Pro	Ala	Ser	Cys	Leu	Leu	Leu	Ser	Thr	Phe	Pro	Xaa	Xaa				
245					250											

<210> 1133
 <211> 102
 <212> PRT
 <213> Homo sapiens

<400> 1133
 Asn Ser Glu Lys Gly Gln Lys Lys Gln Arg Gly Pro Arg Trp Ile Cys
 1 5 10 15
 Gln Leu Phe Cys Arg Cys Phe Leu Pro Leu Leu Trp Val Val Cys Ser
 20 25 30

Pro Leu Gln Thr Ser Ala Arg Arg Glu Gly Leu Asn Leu Pro Ala Pro
 35 40 45
 Gln Asp Leu Leu Pro Ser Gly Pro Ser Pro Ala Leu Arg Ser Leu Pro
 50 55 60
 Asp Arg Arg Val Asp Arg Ala Thr Trp Ala Ala Arg Glu Thr His Gly
 65 70 75 80
 Gly Pro Pro Cys Gly Gln Pro Cys Gln Leu Pro Pro Ser Pro Glu Leu
 85 90 95
 His Leu His Leu Glu Glu
 100

<210> 1134
 <211> 137
 <212> PRT
 <213> Homo sapiens

<400> 1134
 Met Gln Ala Cys Val Leu Leu Leu Gly Leu Val Leu Ser Ala Gln Leu
 1 5 10 15
 Gln Ser Pro Glu Asn Met Arg Met Gly Gly Gly Arg Val Leu Leu Arg
 20 25 30
 Ala His Pro Val Pro Ala Gly Gly Gly Gln Cys Gln Ser Ser Ala Lys
 35 40 45
 Gly Pro Trp Val Gly Thr Gly Pro Glu Arg Glu Glu Arg Asp Ser Pro
 50 55 60
 Glu Gly Arg Trp Ala Ser Tyr Trp Ala Gln Ser Trp Glu Gly Val Ala
 65 70 75 80
 Ala Ser Thr Gly Trp Ala Trp Thr Pro Leu Ala Pro Thr Pro Ser Gly
 85 90 95
 Cys Gly Cys Ser Pro Lys Pro Gly Glu Gln Asp Arg Pro Gly Val Ser
 100 105 110
 Gly Arg Leu Pro Gly Ala Ser Gln Ser Ser Gln Gly Pro Pro Pro Ala
 115 120 125
 Ser Ala Ser Leu Arg Ala Val Pro Lys
 130 135

<210> 1135
 <211> 93
 <212> PRT
 <213> Homo sapiens

<220>

<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (76)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1135

Met Tyr Ala Leu Tyr Ile Thr Val His Gly Tyr Phe Leu Ile Thr Phe
1 5 10 15

Leu Phe Gly Met Val Val Leu Ala Leu Val Val Trp Lys Ile Phe Thr
20 25 30

Leu Xaa Arg Ala Thr Ala Val Lys Glu Arg Gly Lys Asn Arg Lys Lys
35 40 45

Val Leu Thr Leu Leu Gly Leu Ser Ser Leu Val Gly Val Thr Trp Gly
50 55 60

Leu Ala Ile Phe Thr Pro Leu Gly Leu Ser Thr Xaa Tyr Ile Phe Ala
65 70 75 80

Leu Phe Asn Ser Leu Gln Ala Gln Arg Gly Ile Thr Val
85 90

<210> 1136

<211> 93

<212> PRT

<213> Homo sapiens

<400> 1136

Met Tyr Ala Leu Tyr Ile Thr Val His Gly Tyr Phe Leu Ile Thr Phe
1 5 10 15

Leu Phe Gly Met Val Val Leu Ala Leu Val Val Trp Lys Ile Phe Thr
20 25 30

Leu Ser Arg Ala Thr Ala Val Lys Glu Arg Gly Lys Asn Arg Lys Lys
35 40 45

Val Leu Thr Leu Leu Gly Leu Ser Ser Leu Val Gly Val Thr Trp Gly
50 55 60

Leu Ala Ile Phe Thr Pro Leu Gly Leu Ser Thr Val Tyr Ile Phe Ala
65 70 75 80

Leu Phe Asn Ser Leu Gln Ala Gln Arg Gly Ile Thr Val
85 90

<210> 1137
<211> 122
<212> PRT
<213> Homo sapiens

<400> 1137
Met Tyr Ala Leu Tyr Ile Thr Val His Gly Tyr Phe Leu Ile Thr Phe
1 5 10 15
Leu Phe Gly Met Val Val Leu Ala Leu Val Val Trp Lys Ile Phe Thr
20 25 30
Leu Ser Arg Ala Thr Ala Val Lys Glu Arg Gly Lys Asn Arg Lys Lys
35 40 45
Val Leu Thr Leu Leu Gly Leu Ser Ser Leu Val Gly Val Thr Trp Gly
50 55 60
Leu Ala Ile Phe Thr Pro Leu Gly Leu Ser Thr Val Tyr Ile Phe Ala
65 70 75 80
Leu Phe Asn Ser Leu Gln Gly Val Phe Ile Cys Cys Trp Phe Thr Ile
85 90 95
Leu Tyr Leu Pro Ser Gln Ser Thr Thr Val Ser Ser Ser Thr Ala Arg
100 105 110
Leu Asp Gln Ala His Ser Ala Ser Gln Glu
115 120

<210> 1138
<211> 241
<212> PRT
<213> Homo sapiens

<400> 1138
Ala Pro Gly Gln Thr Pro Ser Leu Cys Ser Trp Leu Leu Pro Leu Pro
1 5 10 15
Ser Thr Trp Ala Thr Thr Gly His Val Cys Phe Ser Asp Ile Leu Gln
20 25 30
Thr Pro Asp Gly Gly Gln Leu Leu Leu Asp Trp Ala Lys Gln Pro Asp
35 40 45
Ser Ser Gln Asp Pro Asp Pro Thr Thr Gln Pro Ile Val Leu Leu Leu
50 55 60
Pro Gly Ile Thr Gly Ser Ser Gln Glu Thr Tyr Val Leu His Leu Val
65 70 75 80
Asn Gln Ala Leu Arg Asp Gly Tyr Gln Ala Val Val Phe Asn Asn Arg
85 90 95

Gly Cys Arg Gly Glu Glu Leu Arg Thr His Arg Ala Phe Cys Ala Ser
 100 105 110
 Asn Thr Glu Asp Leu Glu Thr Val Val Asn His Ile Lys His Arg Tyr
 115 120 125
 Pro Gln Ala Pro Leu Leu Ala Val Gly Ile Ser Phe Gly Gly Ile Leu
 130 135 140
 Val Leu Asn His Leu Ala Gln Ala Arg Gln Ala Ala Gly Leu Val Ala
 145 150 155 160
 Ala Leu Thr Leu Ser Ala Cys Trp Asp Ser Phe Glu Thr Thr Arg Ser
 165 170 175
 Leu Glu Thr Pro Leu Asn Ser Leu Leu Phe Asn Gln Pro Leu Thr Ala
 180 185 190
 Gly Leu Cys Gln Leu Val Glu Arg Leu Ser Tyr Gly Lys Thr Cys Arg
 195 200 205
 Pro Val Gln Ser Ala Ser Leu Met Ser Ala Thr His Leu Trp Pro Leu
 210 215 220
 Asp Ile Lys Thr Val Leu Pro Thr Thr Lys Gln Gln Ala Leu Glu Pro
 225 230 235 240

Arg

<210> 1139
 <211> 242
 <212> PRT
 <213> Homo sapiens

<400> 1139
 Met Ala Pro Gly Gln Thr Pro Ser Leu Cys Ser Trp Leu Leu Pro Leu
 1 5 10 15
 Pro Ser Thr Trp Ala Thr Thr Gly His Val Cys Phe Ser Asp Ile Leu
 20 25 30
 Gln Thr Pro Asp Gly Gly Gln Leu Leu Leu Asp Trp Ala Lys Gln Pro
 35 40 45
 Asp Ser Ser Gln Asp Pro Asp Pro Thr Thr Gln Pro Ile Val Leu Leu
 50 55 60
 Leu Pro Gly Ile Thr Gly Ser Ser Gln Glu Thr Tyr Val Leu His Leu
 65 70 75 80
 Val Asn Gln Ala Leu Arg Asp Gly Tyr Gln Ala Val Val Phe Asn Asn
 85 90 95
 Arg Gly Cys Arg Gly Glu Glu Leu Arg Thr His Arg Ala Phe Cys Ala

100	105	110
Ser Asn Thr Glu Asp Leu Glu Thr Val Val Asn His Ile Lys His Arg 115	120	125
Tyr Pro Gln Ala Pro Leu Leu Ala Val Gly Ile Ser Phe Gly Gly Ile 130	135	140
Leu Val Leu Asn His Leu Ala Gln Ala Arg Gln Ala Ala Gly Leu Val 145	150	155
Ala Ala Leu Thr Leu Ser Ala Cys Trp Asp Ser Phe Glu Thr Thr Arg 165	170	175
Ser Leu Glu Thr Pro Leu Asn Ser Leu Leu Phe Asn Gln Pro Leu Thr 180	185	190
Ala Gly Leu Cys Gln Leu Val Glu Arg Leu Ser Tyr Gly Lys Thr Cys 195	200	205
Arg Pro Val Gln Ser Ala Ser Leu Met Ser Ala Thr His Leu Trp Pro 210	215	220
Leu Asp Ile Lys Thr Val Leu Pro Thr Thr Lys Gln Gln Ala Leu Glu 225	230	235
240		
Pro Arg		

<210> 1140
 <211> 180
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (143)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1140
 Met Gly Trp Pro Arg Pro Gly Arg Ala Leu Val Ala Val Lys Ala Leu
 1 5 10 15
 Leu Val Leu Ser Leu Leu Gln Val Pro Ala Gln Ala Val Val Arg Ala
 20 25 30
 Val Leu Glu Asp Asn Ser Ser Ser Val Asp Phe Ala Asp Leu Pro Ala
 35 40 45
 Leu Phe Gly Val Pro Leu Ala Pro Glu Gly Ile Arg Gly Tyr Leu Met
 50 55 60
 Glu Val Lys Pro Ala Asn Ala Cys His Pro Ile Glu Ala Pro Arg Leu
 65 70 75 80

Gly	Asn	Arg	Ser	Leu	Gly	Ala	Ile	Val	Leu	Ile	Arg	Arg	Tyr	Asp	Cys
				85					90					95	
Thr	Phe	Asp	Leu	Lys	Val	Leu	Asn	Ala	Gln	Arg	Ala	Gly	Phe	Glu	Ala
			100					105					110		
Ala	Ile	Val	His	Asn	Val	His	Ser	Asp	Asp	Leu	Val	Ser	Met	Thr	His
		115					120					125			
Val	Tyr	Glu	Asp	Leu	Arg	Gly	Gln	Ile	Ala	Ile	Pro	Ser	Val	Xaa	Val
	130					135					140				
Ser	Glu	Ala	Ala	Arg	Arg	Thr	Cys	Gly	Ser	Ser	Trp	Ala	Ala	Thr	Ser
145					150					155					160
Arg	Pro	Thr	Arg	Cys	Pro	Ala	Asp	Asp	Pro	Pro	Cys	His	Asp	Leu	Ala
				165					170					175	
Val	Thr	Pro	Cys												
			180												

<210> 1141
 <211> 225
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (21)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (45)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1141															
Thr	Gln	Pro	Cys	Gln	Arg	Pro	Gly	Ile	Val	Thr	Pro	Val	Leu	Thr	Val
1				5					10					15	
Ser	Trp	Val	Leu	Xaa	Cys	Thr	Leu	Ala	Leu	Val	Val	Ser	Ala	Phe	Phe
			20					25					30		
Val	Leu	Asn	His	Leu	Trp	Leu	Trp	Ala	Gln	Ala	Cys	Xaa	Ser	His	Arg
		35					40					45			
Arg	Pro	Val	Lys	Thr	Ser	Thr	Cys	Gln	Lys	Ala	Gln	Val	Arg	Thr	Phe
	50					55					60				
Thr	Trp	His	Asn	Asp	Leu	Cys	Ala	Ile	Cys	Leu	Asp	Glu	Tyr	Glu	Glu
65					70					75					80
Gly	Asp	Gln	Leu	Lys	Ile	Leu	Pro	Cys	Ser	His	Thr	Tyr	His	Cys	Lys
				85					90					95	

Cys Ile Asp Pro Trp Phe Ser Gln Ala Pro Arg Arg Ser Cys Pro Val
 100 105 110
 Cys Lys Gln Ser Val Ala Ala Thr Glu Asp Ser Phe Asp Ser Thr Thr
 115 120 125
 Tyr Ser Phe Arg Asp Glu Asp Pro Ser Leu Pro Gly His Arg Pro Pro
 130 135 140
 Ile Trp Ala Ile Gln Val Gln Tyr Ala Pro Gly Gly Trp Ser Cys Trp
 145 150 155 160
 Ala Ala Pro Val Pro Thr Ala Thr Ala Ala Pro Arg Pro Trp Arg Gln
 165 170 175
 Ser Ile Pro Leu Ser Pro Gln Pro Leu Leu Arg Pro Leu Val Ser Lys
 180 185 190
 Asp Leu Gly Gln Gly Gly Gly Cys Asn Glu Glu Cys Phe Trp Ser Glu
 195 200 205
 Lys Asn Lys Val Gly Leu Lys Ala Glu Lys Lys Lys Lys Lys Thr
 210 215 220
 Arg
 225

<210> 1142
 <211> 359
 <212> PRT
 <213> Homo sapiens

<400> 1142
 Met Gly Trp Pro Arg Pro Gly Arg Ala Leu Val Ala Val Lys Ala Leu
 1 5 10 15
 Leu Val Leu Ser Leu Leu Gln Val Pro Ala Gln Ala Val Val Arg Ala
 20 25 30
 Val Leu Glu Asp Asn Ser Ser Ser Val Asp Phe Ala Asp Leu Pro Ala
 35 40 45
 Leu Phe Gly Val Pro Leu Ala Pro Glu Gly Ile Arg Gly Tyr Leu Met
 50 55 60
 Glu Val Lys Pro Ala Asn Ala Cys His Pro Ile Glu Ala Pro Arg Leu
 65 70 75 80
 Gly Asn Arg Ser Leu Gly Ala Ile Val Leu Ile Arg Arg Tyr Asp Cys
 85 90 95
 Thr Phe Asp Leu Lys Val Leu Asn Ala Gln Arg Ala Gly Phe Glu Ala
 100 105 110
 Ala Ile Val His Asn Val His Ser Asp Asp Leu Val Ser Met Thr His

115	120	125
Val Tyr Glu Asp Leu Arg	Gly Gln Ile Ala Ile	Pro Ser Val Phe Val
130	135	140
Ser Glu Ala Ala Ser	Gln Asp Leu Arg Val	Ile Leu Gly Cys Asn Lys
145	150	155 160
Ser Ala His Ala Leu	Leu Leu Pro Asp Asp	Pro Pro Cys His Asp Leu
165	170	175
Gly Cys His Pro Val	Leu Thr Val Ser Trp	Val Leu Gly Cys Thr Leu
180	185	190
Ala Leu Val Val Ser	Ala Phe Phe Val Leu	Asn His Leu Trp Leu Trp
195	200	205
Ala Gln Ala Cys Cys	Ser His Arg Arg Pro	Val Lys Thr Ser Thr Cys
210	215	220
Gln Lys Ala Gln Val	Arg Thr Phe Thr Trp	His Asn Asp Leu Cys Ala
225	230	235 240
Ile Cys Leu Asp Glu	Tyr Glu Glu Gly Asp	Gln Leu Lys Ile Leu Pro
245	250	255
Cys Ser His Thr Tyr	His Cys Lys Cys Ile	Asp Pro Trp Phe Ser Gln
260	265	270
Ala Pro Arg Arg Ser	Cys Pro Val Cys Lys	Gln Ser Val Ala Ala Thr
275	280	285
Glu Asp Ser Phe Asp	Ser Thr Thr Tyr Ser	Phe Arg Asp Glu Asp Pro
290	295	300
Ser Leu Pro Gly His	Arg Pro Pro Ile Trp	Ala Ile Gln Val Gln Leu
305	310	315 320
Arg Ser Arg Arg Leu	Glu Leu Leu Gly Arg	Ala Ser Pro His Cys His
325	330	335
Cys Ser Thr Thr Ser	Leu Glu Ala Glu Tyr	Thr Thr Val Ser Ser Ala
340	345	350
Pro Pro Glu Ala Pro	Gly Gln	
355		

<210> 1143
 <211> 133
 <212> PRT
 <213> Homo sapiens

<400> 1143
 Met Trp His Thr Lys Pro Leu Gly Ser Gly Ser Cys Val Pro Leu Leu
 1 5 10 15

Pro Leu Leu Leu Leu Leu Leu Leu Leu Phe Pro Leu Leu Pro Trp Pro
 20 25 30
 Pro Pro Leu Pro Pro Pro Pro Pro Ser Ser Leu His Pro Phe Ala Pro
 35 40 45
 Ala Phe Pro Ala Thr Gly Ser Leu Ser Ser Asn Asn Ser Gln Leu Leu
 50 55 60
 Ala Pro Leu Arg Leu Gln Asn Ala Leu His Leu Phe Lys Cys Phe Pro
 65 70 75 80
 Val Leu Phe Pro Leu His Lys Ile Ile Ser Phe His Pro Glu Tyr Pro
 85 90 95
 Trp Gln Ala Pro Ile Phe Gln Tyr Phe Tyr Leu Ser Ile Pro Ser Ser
 100 105 110
 Ser Leu His Pro Glu His Leu Gly His Ser Phe Val Ser Thr Leu His
 115 120 125
 Ser Pro Thr Arg Gln
 130

<210> 1144
 <211> 86
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (72)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1144
 Pro Cys Cys Phe His Lys Pro His Ala Ser His Ile Met Asn Phe Leu
 1 5 10 15
 Ile Arg Ile Gln Cys Ile Tyr Leu Pro Lys Ile Val Cys Ala Tyr Ser
 20 25 30
 Lys Tyr Glu Gln Phe Leu Asn Asn Gly Ser Ile Ile Phe Val Gln Asn
 35 40 45
 Ala Lys Asn Trp Gly Gln Ala Trp Trp His Thr Pro Val Ile Pro Ala
 50 55 60
 Leu Trp Glu Ala Lys Val Gly Xaa Ser Pro Glu Val Arg Ser Leu Arg
 65 70 75 80
 Pro Ala Trp Pro Ala Trp
 85

<210> 1145
<211> 133
<212> PRT
<213> Homo sapiens

<400> 1145
Met Trp His Thr Lys Pro Leu Gly Ser Gly Ser Cys Val Pro Leu Leu
1 5 10 15
Pro Leu Leu Leu Leu Leu Leu Leu Leu Phe Pro Leu Leu Pro Trp Pro
20 25 30
Pro Pro Leu Pro Pro Pro Pro Pro Ser Ser Leu His Pro Phe Ala Pro
35 40 45
Ala Phe Pro Ala Thr Gly Ser Leu Ser Ser Asn Asn Ser Gln Leu Leu
50 55 60
Ala Pro Leu Arg Leu Gln Asn Ala Leu His Leu Phe Lys Cys Phe Pro
65 70 75 80
Val Leu Phe Pro Leu His Lys Ile Ile Ser Phe His Pro Glu Tyr Pro
85 90 95
Trp Gln Ala Pro Ile Phe Gln Tyr Phe Tyr Leu Ser Ile Pro Ser Ser
100 105 110
Ser Leu His Pro Glu His Leu Gly His Ser Phe Val Ser Thr Leu His
115 120 125
Ser Pro Thr Arg Gln
130

<210> 1146
<211> 99
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (91)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1146
Met Ala Ala Leu Leu Leu Leu Pro Leu Leu Leu Leu Pro Leu Leu
1 5 10 15
Leu Leu Lys Leu His Leu Trp Pro Gln Leu Arg Trp Leu Pro Ala Asp
20 25 30
Leu Ala Phe Ala Val Arg Ala Leu Cys Cys Lys Arg Ala Leu Arg Ala
35 40 45
Arg Ala Leu Ala Ala Ala Ala Asp Pro Glu Gly Pro Glu Gly Gly

50 55 60
 Cys Ser Leu Ala Trp Arg Leu Ala Glu Leu Ala Gln Gln Arg Ala Glu
 65 70 75 80
 Leu Leu Leu Arg Ser Arg Ala Leu Ala Thr Xaa Arg Arg Ser Ala Arg
 85 90 95
 Val Thr Gly

<210> 1147
 <211> 455
 <212> PRT
 <213> Homo sapiens

<400> 1147
 Met Ala Ala Leu Leu Leu Leu Pro Leu Leu Leu Leu Leu Pro Leu Leu
 1 5 10 15
 Leu Leu Lys Leu His Leu Trp Pro Gln Leu Arg Trp Leu Pro Ala Asp
 20 25 30
 Leu Ala Phe Ala Val Arg Ala Leu Cys Cys Lys Arg Ala Leu Arg Ala
 35 40 45
 Arg Ala Leu Ala Ala Ala Ala Asp Pro Glu Gly Pro Glu Gly Pro
 50 55 60
 Cys Ile Leu Ala Trp Arg Leu Ala Glu Leu Ala Gln Gln Arg Ala Arg
 65 70 75 80
 Asn Phe Leu Leu Arg Ser Arg Ala Leu Ala Thr Gln Arg Arg Ser Ala
 85 90 95
 Arg Val Thr Gly Leu Thr Arg Leu Pro Thr Cys Ala Arg Leu Gly Leu
 100 105 110
 Gly Thr Arg Arg Arg Arg Gln Arg Arg Gly Glu Arg Trp Arg Arg Arg
 115 120 125
 Ala Gly Ser Ala Gly Ser Arg Arg Cys Ser Gly Arg Lys Arg Arg Gly
 130 135 140
 Val Cys Arg Arg Gly Arg Cys Arg Gln Arg Trp Arg Ser Arg Ala Pro
 145 150 155 160
 Leu Ser Pro Gly Ala Thr Val Ala Leu Leu Leu Pro Ala Gly Pro Glu
 165 170 175
 Phe Leu Trp Leu Trp Ile Gly Leu Ala Lys Ala Gly Leu Arg Thr Ala
 180 185 190
 Phe Val Pro Thr Ala Leu Arg Arg Gly Pro Leu Leu His Cys Leu Arg
 195 200 205

Ser Cys Gly Ala Arg Ala Leu Val Leu Ala Pro Glu Phe Leu Glu Ser
 210 215 220
 Leu Glu Pro Asp Leu Pro Ala Leu Arg Ala Met Gly Leu His Leu Trp
 225 230 235 240
 Ala Ala Gly Pro Gly Thr His Pro Ala Gly Ile Ser Asp Leu Leu Ala
 245 250 255
 Glu Val Ser Ala Glu Val Asp Gly Pro Val Pro Gly Tyr Leu Ser Ser
 260 265 270
 Pro Gln Ser Ile Thr Asp Thr Cys Leu Tyr Ile Phe Thr Ser Gly Thr
 275 280 285
 Thr Gly Leu Pro Lys Ala Ala Arg Ile Ser His Leu Lys Ile Leu Gln
 290 295 300
 Cys Gln Gly Phe Tyr Gln Leu Cys Gly Val His Gln Glu Asp Val Ile
 305 310 315 320
 Tyr Leu Ala Leu Pro Leu Tyr His Met Ser Gly Ser Leu Leu Gly Ile
 325 330 335
 Val Gly Cys Met Gly Ile Gly Ala Thr Val Val Leu Lys Ser Lys Phe
 340 345 350
 Ser Ala Gly Gln Phe Trp Glu Asp Cys Gln Gln His Arg Val Thr Val
 355 360 365
 Phe Gln Tyr Ile Gly Glu Leu Cys Arg Tyr Leu Val Asn Gln Pro Pro
 370 375 380
 Ser Lys Ala Glu Arg Gly His Lys Val Arg Leu Ala Val Gly Ser Gly
 385 390 395 400
 Leu Arg Pro Asp Thr Trp Glu Arg Phe Val Arg Arg Phe Gly Pro Leu
 405 410 415
 Gln Val Leu Glu Thr Tyr Gly Leu Thr Glu Gly Asn Val Pro Pro Ser
 420 425 430
 Thr Thr Gln Asp Ser Gly Ala Leu Trp Gly Val Leu Pro Gly Phe Thr
 435 440 445
 Ser Ile Ser Ser Pro Ser Pro
 450 455

<210> 1148
 <211> 153
 <212> PRT
 <213> Homo sapiens
 <220>

<221> SITE
 <222> (77)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (82)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (83)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (86)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (91)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (122)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (124)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1148
 Met Met Leu Ile Pro Met Ala Ser Val Met Ala Val Thr Glu Pro Lys
 1 5 10 15
 Trp Val Ser Val Trp Ser Arg Phe Leu Trp Val Thr Leu Leu Ser Met
 20 25 30
 Val Leu Gly Ser Leu Leu Ala Leu Leu Leu Pro Leu Gly Ala Val Glu
 35 40 45
 Glu Gln Cys Leu Ala Val Leu Lys Gly Leu Tyr Leu Leu Arg Ser Lys
 50 55 60
 Pro Asp Arg Ala Gln His Ala Ala Pro Ser Ala Pro Xaa Arg Pro Arg
 65 70 75 80
 Ser Xaa Xaa Ser Pro Xaa Gly Ala Arg Arg Xaa Leu Val Ala Lys Thr
 85 90 95
 Lys Ala Phe Ser Ser Gly Val Lys Phe Gly Lys Ala Gln Glu Leu Ala
 100 105 110
 Leu Glu Pro Arg Pro Trp Lys Ile Lys Xaa Ala Xaa Gly Gln Ser Arg

115	120	125
Gly Lys Lys Ala Gln Lys Ser Ser Phe Asn Ala Pro Pro Phe Lys Glu		
130	135	140

Trp Asp Pro Gly Asn Phe Pro Gly Asp
145 150

<210> 1149
 <211> 361
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (2)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (4)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (19)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1149
Ala Xaa Pro Xaa Gly Lys Leu Glu Ala Arg Ala Ala Leu Asn Gln Ala
1 5 10 15

Leu Glu Xaa Lys Arg Gln Gly Lys Arg Glu Lys Ala Gln Lys Leu Phe
20 25 30

Met His Ala Leu Lys Met Asp Pro Asp Phe Val Asp Ala Leu Thr Glu
35 40 45

Phe Gly Ile Phe Ser Glu Glu Asp Lys Asp Ile Ile Gln Ala Asp Tyr
50 55 60

Leu Tyr Thr Arg Ala Leu Thr Ile Ser Pro Tyr His Glu Lys Ala Leu
65 70 75 80

Val Asn Arg Asp Arg Thr Leu Pro Leu Val Glu Glu Ile Asp Gln Arg
85 90 95

Tyr Phe Ser Ile Ile Asp Ser Lys Val Lys Lys Val Met Ser Ile Pro
100 105 110

Lys Gly Asn Ser Ala Leu Arg Arg Val Met Glu Glu Thr Tyr Tyr His
115 120 125

His Ile Tyr His Thr Val Ala Ile Glu Gly Asn Thr Leu Thr Leu Ser
130 135 140

Glu Ile Arg His Ile Leu Glu Thr Arg Tyr Ala Val Pro Gly Lys Ser
145 150 155 160

Leu Glu Glu Gln Asn Glu Val Ile Gly Met His Ala Ala Met Lys Tyr
165 170 175

Ile Asn Thr Thr Leu Val Ser Arg Ile Gly Ser Val Thr Ile Ser Asp
180 185 190

Val Leu Glu Ile His Arg Arg Val Leu Gly Tyr Val Asp Pro Val Glu
195 200 205

Ala Gly Arg Phe Arg Thr Thr Gln Val Leu Val Gly His His Ile Pro
210 215 220

Pro His Pro Gln Asp Val Glu Lys Gln Met Gln Glu Phe Val Gln Trp
225 230 235 240

Leu Asn Ser Glu Glu Ala Met Asn Leu His Pro Val Glu Phe Ala Ala
245 250 255

Leu Ala His Tyr Lys Leu Val Tyr Ile His Pro Phe Ile Asp Gly Asn
260 265 270

Gly Arg Thr Ser Arg Leu Leu Met Asn Leu Ile Leu Met Gln Ala Gly
275 280 285

Tyr Pro Pro Ile Thr Ile Arg Lys Glu Gln Arg Ser Asp Tyr Tyr His
290 295 300

Val Leu Glu Ala Ala Asn Glu Gly Asp Val Arg Pro Phe Ile Arg Phe
305 310 315 320

Ile Ala Lys Cys Thr Glu Thr Thr Leu Asp Thr Leu Leu Phe Ala Thr
325 330 335

Thr Glu Tyr Ser Val Ala Leu Pro Glu Ala Gln Pro Asn His Ser Gly
340 345 350

Phe Lys Glu Thr Leu Pro Val Lys Pro
355 360

<210> 1150
<211> 458
<212> PRT
<213> Homo sapiens

<400> 1150
Met Met Leu Ile Pro Met Ala Ser Val Met Ala Val Thr Glu Pro Lys
1 5 10 15

Trp Val Ser Val Trp Ser Arg Phe Leu Trp Val Thr Leu Leu Ser Met
20 25 30

Val Leu Gly Ser Leu Leu Ala Leu Leu Leu Pro Leu Gly Ala Val Glu
35 40 45
Glu Gln Cys Leu Ala Val Leu Lys Gly Leu Tyr Leu Leu Arg Ser Lys
50 55 60
Pro Asp Arg Ala Gln His Ala Ala Thr Lys Cys Thr Ser Pro Ser Thr
65 70 75 80
Glu Leu Ser Ile Thr Ser Arg Gly Ala Thr Leu Leu Val Ala Lys Thr
85 90 95
Lys Ala Ser Pro Ala Gly Lys Leu Glu Ala Arg Ala Ala Leu Asn Gln
100 105 110
Ala Leu Glu Met Lys Arg Gln Gly Lys Arg Glu Lys Ala Gln Lys Leu
115 120 125
Phe Met His Ala Leu Lys Met Asp Pro Asp Phe Val Asp Ala Leu Thr
130 135 140
Glu Phe Gly Ile Phe Ser Glu Glu Asp Lys Asp Ile Ile Gln Ala Asp
145 150 155 160
Tyr Leu Tyr Thr Arg Ala Leu Thr Ile Ser Pro Tyr His Glu Lys Ala
165 170 175
Leu Val Asn Arg Asp Arg Thr Leu Pro Leu Val Glu Glu Ile Asp Gln
180 185 190
Arg Tyr Phe Ser Ile Ile Asp Ser Lys Val Lys Lys Val Met Ser Ile
195 200 205
Pro Lys Gly Asn Ser Ala Leu Arg Arg Val Met Glu Glu Thr Tyr Tyr
210 215 220
His His Ile Tyr His Thr Val Ala Ile Glu Gly Asn Thr Leu Thr Leu
225 230 235 240
Ser Glu Ile Arg His Ile Leu Glu Thr Arg Tyr Ala Val Pro Gly Lys
245 250 255
Ser Leu Glu Glu Gln Asn Glu Val Ile Gly Met His Ala Ala Met Lys
260 265 270
Tyr Ile Asn Thr Thr Leu Val Ser Arg Ile Gly Ser Val Thr Ile Ser
275 280 285
Asp Val Leu Glu Ile His Arg Arg Val Leu Gly Tyr Val Asp Pro Val
290 295 300
Glu Ala Gly Arg Phe Arg Thr Thr Gln Val Leu Val Gly His His Ile
305 310 315 320
Pro Pro His Pro Gln Asp Val Glu Lys Gln Met Gln Glu Phe Val Gln
325 330 335

Trp Leu Asn Ser Glu Glu Ala Met Asn Leu His Pro Val Glu Phe Ala
 340 345 350
 Ala Leu Ala His Tyr Lys Leu Val Tyr Ile His Pro Phe Ile Asp Gly
 355 360 365
 Asn Gly Arg Thr Ser Arg Leu Leu Met Asn Leu Ile Leu Met Gln Ala
 370 375 380
 Gly Tyr Pro Pro Ile Thr Ile Arg Lys Glu Gln Arg Ser Asp Tyr Tyr
 385 390 395 400
 His Val Leu Glu Ala Ala Asn Glu Gly Asp Val Arg Pro Phe Ile Arg
 405 410 415
 Phe Ile Ala Lys Cys Thr Glu Thr Thr Leu Asp Thr Leu Leu Phe Ala
 420 425 430
 Thr Thr Glu Tyr Ser Val Ala Leu Pro Glu Ala Gln Pro Asn His Ser
 435 440 445
 Gly Phe Lys Glu Thr Leu Pro Val Lys Pro
 450 455

<210> 1151
 <211> 125
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (46)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1151
 Ala Gln Arg Asn Pro Gly Ala Val Pro Ala Val Trp Arg Gln Ala Gly
 1 5 10 15
 Val Thr Phe Thr Ser Ala Lys Gly Arg Ser Ser Pro Tyr Trp Ser Leu
 20 25 30
 His Pro Gln Ile Ile Leu Leu Arg Lys Leu Ser Ser Ser Xaa Gln Lys
 35 40 45
 Pro Arg Ser Ser Ser Ala Gln Cys Gly Arg Asn Ala Ala Ala Gly Leu
 50 55 60
 Pro His Cys Leu Arg Ala Ser Trp Ser Arg Leu Leu Lys Ile Glu Trp
 65 70 75 80
 Gln Val Gly Leu Ala Trp Ala Gly Ala Asp Val Leu Cys Gly His Pro
 85 90 95
 Val Pro Lys Arg Pro Pro Thr Leu Gly Pro Gln Thr Ser Gly Ala Asp
 100 105 110

Trp His Leu Arg Gly His Ser Pro Thr His Leu Leu Gln
115 120 125

<210> 1152
<211> 17
<212> PRT
<213> Homo sapiens

<400> 1152
Met Leu Ser Gly Ser Leu Gly Ser Ala Val Cys Met Ser Ser Gln Pro
1 5 10 15

Arg

<210> 1153
<211> 17
<212> PRT
<213> Homo sapiens

<400> 1153
Met Leu Ser Gly Ser Leu Gly Ser Ala Val Cys Met Ser Ser Gln Pro
1 5 10 15

Arg

<210> 1154
<211> 254
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (218)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (228)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (240)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1154
Glu Thr Arg Leu His His Val Ser Thr Leu Ala Ala Phe Thr Val Arg
1 5 10 15

Gln Val Gln Gln His Gln Gly Asn Leu Asp Ala Ser Gly Pro Ala Arg
 20 25 30
 Asp Leu Val Asp Ala Phe Leu Leu Lys Met Ala Gln Glu Glu Gln Asn
 35 40 45
 Pro Gly Thr Glu Phe Thr Asn Lys Asn Met Leu Met Thr Val Ile Tyr
 50 55 60
 Leu Leu Phe Ala Gly Thr Met Thr Val Ser Thr Thr Val Gly Tyr Thr
 65 70 75 80
 Leu Leu Leu Leu Met Lys Tyr Pro His Val Gln Lys Trp Val Arg Glu
 85 90 95
 Glu Leu Asn Arg Glu Leu Gly Ala Gly Gln Ala Pro Ser Leu Gly Asp
 100 105 110
 Arg Thr Arg Ser Leu Thr Pro Thr Arg Phe Cys Met Arg Arg Ser Gly
 115 120 125
 Cys Trp Arg Trp Cys Pro Trp Glu Tyr Pro Ala Pro Ser Cys Gly Pro
 130 135 140
 Pro Ala Ser Glu Gly Thr Pro Cys Pro Arg Ala Arg Arg Ser Ser Pro
 145 150 155 160
 Ser Leu Ala Pro Ser Cys Met Thr Pro Thr Ser Ser Ser Thr Gln Lys
 165 170 175
 Ser Ser Thr Gln Thr Val Ser Trp Met Gln Met Asp Gly Ser Gly Ser
 180 185 190
 Met Arg Arg Ser Cys Leu Leu Leu Lys Glu Ala Cys Leu Pro Trp Lys
 195 200 205
 Gly Pro Gly Lys Ser Gly Ala Leu Pro Xaa Leu His His His Pro Thr
 210 215 220
 Ser Leu Leu Xaa Gly Glu Pro Val Pro Ala Gly His Pro Glu Pro Xaa
 225 230 235 240
 Ala His Arg Gln Trp Pro Phe Gln His Ser Pro Ser Leu Pro
 245 250

<210> 1155
 <211> 302
 <212> PRT
 <213> Homo sapiens

<400> 1155
 Met Glu Ala Thr Gly Thr Trp Ala Leu Leu Leu Ala Leu Ala Leu Leu
 1 5 10 15

Leu Leu Leu Thr Leu Ala Leu Ser Gly Thr Arg Ala Arg Gly His Leu
 20 25 30
 Pro Pro Gly Pro Thr Pro Leu Pro Leu Leu Gly Asn Leu Leu Gln Leu
 35 40 45
 Arg Pro Gly Ala Leu Tyr Ser Gly Leu Met Arg Leu Ser Lys Lys Tyr
 50 55 60
 Gly Pro Val Phe Thr Ile Tyr Leu Gly Pro Trp Arg Pro Val Val Val
 65 70 75 80
 Leu Val Gly Gln Glu Ala Val Arg Glu Ala Leu Gly Gly Gln Ala Glu
 85 90 95
 Glu Phe Ser Gly Arg Gly Thr Val Ala Met Leu Glu Gly Thr Phe Asp
 100 105 110
 Gly His Gly Val Phe Phe Ser Asn Gly Glu Arg Trp Arg Gln Leu Arg
 115 120 125
 Lys Phe Thr Met Leu Ala Leu Arg Asp Leu Gly Met Gly Lys Arg Glu
 130 135 140
 Gly Glu Glu Leu Ile Gln Ala Glu Ala Arg Cys Leu Val Glu Thr Phe
 145 150 155 160
 Gln Gly Thr Glu Gly Arg Pro Phe Asp Pro Ser Leu Leu Leu Ala Gln
 165 170 175
 Ala Thr Ser Asn Val Val Cys Ser Leu Leu Phe Gly Leu Arg Phe Ser
 180 185 190
 Tyr Glu Asp Lys Glu Phe Gln Ala Val Val Arg Ala Ala Gly Gly Thr
 195 200 205
 Leu Leu Gly Val Ser Ser Gln Gly Gly Gln Val Ser Gly Trp Asp Pro
 210 215 220
 Ser Pro Thr Thr Phe Pro Glu Gly Ser Cys Gln Gly Pro Met Arg Thr
 225 230 235 240
 Ser Cys Pro Ser Pro His Arg Pro Thr Arg Cys Ser Pro Gly Ser Cys
 245 250 255
 Gly Pro Cys Gln Ala Pro Thr Ser Ser Ser Ser Thr Thr Ser Ala Pro
 260 265 270
 Trp Leu Pro Ser Gln Ser Gly Arg Cys Ser Ser Thr Arg Gly Thr Trp
 275 280 285
 Met Leu Arg Ala Pro His Val Thr Leu Ser Met Pro Ser Cys
 290 295 300

<211> 302
<212> PRT
<213> Homo sapiens

<400> 1156

Met	Glu	Ala	Thr	Gly	Thr	Trp	Ala	Leu	Leu	Leu	Ala	Leu	Ala	Leu	Leu	
1				5					10					15		
Leu	Leu	Leu	Thr	Leu	Ala	Leu	Ser	Gly	Thr	Arg	Ala	Arg	Gly	His	Leu	
			20					25					30			
Pro	Pro	Gly	Pro	Thr	Pro	Leu	Pro	Leu	Leu	Gly	Asn	Leu	Leu	Gln	Leu	
		35					40					45				
Arg	Pro	Gly	Ala	Leu	Tyr	Ser	Gly	Leu	Met	Arg	Leu	Ser	Lys	Lys	Tyr	
	50					55					60					
Gly	Pro	Val	Phe	Thr	Ile	Tyr	Leu	Gly	Pro	Trp	Arg	Pro	Val	Val	Val	
65					70					75					80	
Leu	Val	Gly	Gln	Glu	Ala	Val	Arg	Glu	Ala	Leu	Gly	Gly	Gln	Ala	Glu	
				85					90					95		
Glu	Phe	Ser	Gly	Arg	Gly	Thr	Val	Ala	Met	Leu	Glu	Gly	Thr	Phe	Asp	
			100					105					110			
Gly	His	Gly	Val	Phe	Phe	Ser	Asn	Gly	Glu	Arg	Trp	Arg	Gln	Leu	Arg	
		115					120					125				
Lys	Phe	Thr	Met	Leu	Ala	Leu	Arg	Asp	Leu	Gly	Met	Gly	Lys	Arg	Glu	
	130					135					140					
Gly	Glu	Glu	Leu	Ile	Gln	Ala	Glu	Ala	Arg	Cys	Leu	Val	Glu	Thr	Phe	
145					150					155					160	
Gln	Gly	Thr	Glu	Gly	Arg	Pro	Phe	Asp	Pro	Ser	Leu	Leu	Leu	Ala	Gln	
				165					170					175		
Ala	Thr	Ser	Asn	Val	Val	Cys	Ser	Leu	Leu	Phe	Gly	Leu	Arg	Phe	Ser	
			180					185					190			
Tyr	Glu	Asp	Lys	Glu	Phe	Gln	Ala	Val	Val	Arg	Ala	Ala	Gly	Gly	Thr	
		195					200					205				
Leu	Leu	Gly	Val	Ser	Ser	Gln	Gly	Gly	Gln	Val	Ser	Gly	Trp	Asp	Pro	
	210					215					220					
Ser	Pro	Thr	Thr	Phe	Pro	Glu	Gly	Ser	Cys	Gln	Gly	Pro	Met	Arg	Thr	
225					230					235					240	
Ser	Cys	Pro	Ser	Pro	His	Arg	Pro	Thr	Arg	Cys	Ser	Pro	Gly	Ser	Cys	
				245					250					255		
Gly	Pro	Cys	Gln	Ala	Pro	Thr	Ser	Ser	Ser	Ser	Thr	Thr	Ser	Ala	Pro	
			260					265					270			
Trp	Leu	Pro	Ser	Gln	Ser	Gly	Arg	Cys	Ser	Ser	Thr	Arg	Gly	Thr	Trp	

275

280

285

Met Leu Arg Ala Pro His Val Thr Leu Ser Met Pro Ser Cys
 290 295 300

<210> 1157

<211> 240

<212> PRT

<213> Homo sapiens

<400> 1157

Met Thr Ala Pro Val Pro Ala Pro Arg Ile Leu Leu Pro Leu Leu Leu
 1 5 10 15

Leu Leu Leu Leu Thr Pro Pro Pro Gly Ala Arg Gly Glu Val Cys Met
 20 25 30

Ala Ser Arg Gly Leu Ser Leu Phe Pro Glu Ser Cys Pro Asp Phe Cys
 35 40 45

Cys Gly Thr Cys Asp Asp Gln Tyr Cys Cys Ser Asp Val Leu Lys Lys
 50 55 60

Phe Val Trp Ser Glu Glu Arg Cys Ala Val Pro Glu Ala Ser Val Pro
 65 70 75 80

Ala Ser Val Glu Pro Val Glu Gln Leu Gly Ser Ala Leu Arg Phe Arg
 85 90 95

Pro Gly Tyr Asn Asp Pro Met Ser Gly Phe Gly Ala Thr Leu Ala Val
 100 105 110

Gly Leu Thr Ile Phe Val Leu Ser Val Val Thr Ile Ile Ile Cys Phe
 115 120 125

Thr Cys Ser Cys Cys Cys Leu Tyr Lys Thr Cys Arg Arg Pro Arg Pro
 130 135 140

Val Val Thr Thr Thr Thr Ser Thr Thr Val Val His Ala Pro Tyr Pro
 145 150 155 160

Gln Pro Pro Ser Val Pro Pro Ser Tyr Pro Gly Pro Ser Tyr Gln Gly
 165 170 175

Tyr His Thr Met Pro Pro Gln Pro Gly Met Pro Ala Ala Pro Tyr Pro
 180 185 190

Met Gln Tyr Pro Pro Pro Tyr Pro Ala Gln Pro Met Gly Pro Pro Ala
 195 200 205

Tyr His Glu Thr Leu Ala Gly Gly Ala Ala Ala Pro Tyr Pro Ala Ser
 210 215 220

Gln Pro Pro Tyr Asn Pro Ala Tyr Met Asp Ala Pro Lys Ala Ala Leu
 225 230 235 240

<210> 1158
 <211> 240
 <212> PRT
 <213> Homo sapiens

<400> 1158

Met	Thr	Ala	Pro	Val	Pro	Ala	Pro	Arg	Ile	Leu	Leu	Pro	Leu	Leu	Leu	1	5	10	15
Leu	Leu	Leu	Leu	Thr	Pro	Pro	Pro	Gly	Ala	Arg	Gly	Glu	Val	Cys	Met	20	25	30	
Ala	Ser	Arg	Gly	Leu	Ser	Leu	Phe	Pro	Glu	Ser	Cys	Pro	Asp	Phe	Cys	35	40	45	
Cys	Gly	Thr	Cys	Asp	Asp	Gln	Tyr	Cys	Cys	Ser	Asp	Val	Leu	Lys	Lys	50	55	60	
Phe	Val	Trp	Ser	Glu	Glu	Arg	Cys	Ala	Val	Pro	Glu	Ala	Ser	Val	Pro	65	70	75	80
Ala	Ser	Val	Glu	Pro	Val	Glu	Gln	Leu	Gly	Ser	Ala	Leu	Arg	Phe	Arg	85	90	95	
Pro	Gly	Tyr	Asn	Asp	Pro	Met	Ser	Gly	Phe	Gly	Ala	Thr	Leu	Ala	Val	100	105	110	
Gly	Leu	Thr	Ile	Phe	Val	Leu	Ser	Val	Val	Thr	Ile	Ile	Ile	Cys	Phe	115	120	125	
Thr	Cys	Ser	Cys	Cys	Cys	Leu	Tyr	Lys	Thr	Cys	Arg	Arg	Pro	Arg	Pro	130	135	140	
Val	Val	Thr	Thr	Thr	Thr	Ser	Thr	Thr	Val	Val	His	Ala	Pro	Tyr	Pro	145	150	155	160
Gln	Pro	Pro	Ser	Val	Pro	Pro	Ser	Tyr	Pro	Gly	Pro	Ser	Tyr	Gln	Gly	165	170	175	
Tyr	His	Thr	Met	Pro	Pro	Gln	Pro	Gly	Met	Pro	Ala	Ala	Pro	Tyr	Pro	180	185	190	
Met	Gln	Tyr	Pro	Pro	Pro	Tyr	Pro	Ala	Gln	Pro	Met	Gly	Pro	Pro	Ala	195	200	205	
Tyr	His	Glu	Thr	Leu	Ala	Gly	Gly	Ala	Ala	Ala	Pro	Tyr	Pro	Ala	Ser	210	215	220	
Gln	Pro	Pro	Tyr	Asn	Pro	Ala	Tyr	Met	Asp	Ala	Pro	Lys	Ala	Ala	Leu	225	230	235	240

<210> 1159
<211> 116
<212> PRT
<213> Homo sapiens

<400> 1159
Met Lys Gly Leu Arg Ser Leu Ala Ala Thr Thr Leu Ala Leu Phe Leu
1 5 10 15
Val Phe Val Phe Leu Gly Asn Ser Ser Cys Ala Pro Gln Arg Leu Leu
20 25 30
Glu Arg Arg Asn Trp Thr Pro Gln Ala Met Leu Tyr Leu Lys Gly Ala
35 40 45
Gln Gly Arg Arg Phe Ile Ser Asp Gln Ser Arg Arg Lys Asp Leu Ser
50 55 60
Asp Arg Pro Leu Pro Glu Arg Arg Ser Pro Asn Pro Gln Leu Leu Thr
65 70 75 80
Ile Pro Glu Ala Ala Thr Ile Leu Leu Ala Ser Leu Gln Lys Ser Pro
85 90 95
Glu Asp Glu Glu Lys Asn Phe Asp Gln Thr Arg Phe Leu Glu Asp Ser
100 105 110
Leu Leu Asn Trp
115

<210> 1160
<211> 116
<212> PRT
<213> Homo sapiens

<400> 1160
Met Lys Gly Leu Arg Ser Leu Ala Ala Thr Thr Leu Ala Leu Phe Leu
1 5 10 15
Val Phe Val Phe Leu Gly Asn Ser Ser Cys Ala Pro Gln Arg Leu Leu
20 25 30
Glu Arg Arg Asn Trp Thr Pro Gln Ala Met Leu Tyr Leu Lys Gly Ala
35 40 45
Gln Gly Arg Arg Phe Ile Ser Asp Gln Ser Arg Arg Lys Asp Leu Ser
50 55 60
Asp Arg Pro Leu Pro Glu Arg Arg Ser Pro Asn Pro Gln Leu Leu Thr
65 70 75 80

Ile Pro Glu Ala Ala Thr Ile Leu Leu Ala Ser Leu Gln Lys Ser Pro
85 90 95

Glu Asp Glu Glu Lys Asn Phe Asp Gln Thr Arg Phe Leu Glu Asp Ser
100 105 110

Leu Leu Asn Trp
115

<210> 1161

<211> 426

<212> PRT

<213> Homo sapiens

<400> 1161

Val Val Pro Phe Ser Gly Met Leu Pro Pro Gly Ala Glu Lys Ala Val
1 5 10 15

Ala Ser Phe Val Thr Gln Leu Ala Ala Ala Glu Ala Leu Gln Lys Ala
20 25 30

Pro Asp Val Thr Thr Leu Pro Arg Asn Val Met Phe Val Phe Phe Gln
35 40 45

Gly Glu Thr Phe Asp Tyr Ile Gly Ser Ser Arg Met Val Tyr Asp Met
50 55 60

Glu Lys Gly Lys Phe Pro Val Gln Leu Glu Asn Val Asp Ser Phe Val
65 70 75 80

Glu Leu Gly Gln Val Ala Leu Arg Thr Ser Leu Glu Leu Trp Met His
85 90 95

Thr Asp Pro Val Ser Gln Lys Asn Glu Ser Val Arg Asn Gln Val Glu
100 105 110

Asp Leu Leu Ala Thr Leu Glu Lys Ser Gly Ala Gly Val Pro Ala Val
115 120 125

Ile Leu Arg Arg Pro Asn Gln Ser Gln Pro Leu Pro Pro Ser Ser Leu
130 135 140

Gln Arg Phe Leu Arg Ala Arg Asn Ile Ser Gly Val Val Leu Ala Asp
145 150 155 160

His Ser Gly Ala Phe His Asn Lys Tyr Tyr Gln Ser Ile Tyr Asp Thr
165 170 175

Ala Glu Asn Ile Asn Val Ser Tyr Pro Glu Trp Leu Ser Pro Glu Glu
180 185 190

Asp Leu Asn Phe Val Thr Asp Thr Ala Lys Ala Leu Ala Asp Val Ala
195 200 205

Thr Val Leu Gly Arg Ala Leu Tyr Glu Leu Ala Gly Gly Thr Asn Phe
 210 215 220
 Ser Asp Thr Val Gln Ala Asp Pro Gln Thr Val Thr Arg Leu Leu Tyr
 225 230 235 240
 Gly Phe Leu Ile Lys Ala Asn Asn Ser Trp Phe Gln Ser Ile Leu Arg
 245 250 255
 Gln Asp Leu Arg Ser Tyr Leu Gly Asp Gly Pro Leu Gln His Tyr Ile
 260 265 270
 Ala Val Ser Ser Pro Thr Asn Thr Thr Tyr Val Val Gln Tyr Ala Leu
 275 280 285
 Ala Asn Leu Thr Gly Thr Val Val Asn Leu Thr Arg Glu Gln Cys Gln
 290 295 300
 Asp Pro Ser Lys Val Pro Ser Glu Asn Lys Asp Leu Tyr Glu Tyr Ser
 305 310 315 320
 Trp Val Gln Gly Pro Leu His Ser Asn Glu Thr Asp Arg Leu Pro Arg
 325 330 335
 Cys Val Arg Ser Thr Ala Arg Leu Ala Arg Ala Leu Ser Pro Ala Phe
 340 345 350
 Glu Leu Ser Gln Trp Ser Ser Thr Glu Tyr Ser Thr Trp Thr Glu Ser
 355 360 365
 Arg Trp Lys Asp Ile Arg Ala Arg Ile Phe Leu Ile Ala Ser Lys Glu
 370 375 380
 Leu Glu Leu Ile Thr Leu Thr Val Gly Phe Gly Ile Leu Ile Phe Ser
 385 390 395 400
 Leu Ile Val Thr Tyr Cys Ile Asn Ala Lys Ala Asp Val Leu Phe Ile
 405 410 415
 Ala Pro Arg Glu Pro Gly Ala Val Ser Tyr
 420 425

<210> 1162
 <211> 417
 <212> PRT
 <213> Homo sapiens

<400> 1162
 Met Ala Thr Ala Gly Gly Gly Ser Gly Ala Asp Pro Gly Ser Arg Gly
 1 5 10 15
 Leu Leu Arg Leu Leu Ser Phe Cys Val Leu Leu Ala Gly Leu Cys Arg
 20 25 30
 Gly Asn Ser Val Glu Arg Lys Ile Tyr Ile Pro Leu Asn Lys Thr Ala

35	40	45
Pro Cys Val Arg Leu Leu Asn Ala Thr His Gln Ile Gly Cys Gln Ser		
50	55	60
Ser Ile Ser Gly Asp Thr Gly Val Ile His Val Val Glu Lys Glu Glu		
65	70	75
Asp Leu Gln Trp Val Leu Thr Asp Gly Pro Asn Pro Pro Tyr Met Val		
85	90	95
Leu Leu Glu Ser Lys His Phe Thr Arg Asp Leu Met Glu Lys Leu Lys		
100	105	110
Gly Arg Thr Ser Arg Ile Ala Gly Leu Ala Val Ser Leu Thr Lys Pro		
115	120	125
Ser Pro Ala Ser Gly Phe Ser Pro Ser Val Gln Cys Pro Asn Asp Gly		
130	135	140
Phe Gly Val Tyr Ser Asn Ser Tyr Gly Pro Glu Phe Ala His Cys Arg		
145	150	155
Glu Ile Gln Trp Asn Ser Leu Gly Asn Gly Leu Ala Tyr Glu Asp Phe		
165	170	175
Ser Phe Pro Ile Phe Leu Leu Glu Asp Glu Asn Glu Thr Lys Val Ile		
180	185	190
Lys Gln Cys Tyr Gln Asp His Asn Leu Ser Gln Asn Gly Ser Ala Pro		
195	200	205
Thr Phe Pro Leu Cys Ala Met Gln Leu Phe Ser His Met His Ala Val		
210	215	220
Ile Ser Thr Ala Thr Cys Met Arg Arg Ser Ser Ile Gln Ser Thr Phe		
225	230	235
Ser Ile Asn Pro Glu Ile Val Cys Asp Pro Leu Ser Asp Tyr Asn Val		
245	250	255
Trp Ser Met Leu Lys Pro Ile Asn Thr Thr Gly Thr Leu Lys Pro Asp		
260	265	270
Asp Arg Val Val Val Ala Ala Thr Arg Leu Asp Ser Arg Ser Phe Phe		
275	280	285
Trp Asn Val Ala Pro Gly Ala Glu Ser Ala Val Ala Ser Phe Val Thr		
290	295	300
Gln Leu Ala Ala Ala Glu Ala Leu Gln Lys Ala Pro Asp Val Thr Thr		
305	310	315
Leu Pro Arg Asn Val Met Phe Val Phe Phe Gln Gly Glu Thr Phe Asp		
325	330	335
Tyr Ile Gly Ser Ser Arg Met Val Tyr Asp Met Glu Lys Gly Lys Phe		

340	345	350
Pro Val Gln Leu Glu Asn Val Asp Ser Phe Val Glu Leu Gly Gln Val		
355	360	365
Ala Leu Arg Thr Ser Leu Glu Leu Trp Met His Thr Asp Pro Val Ser		
370	375	380
Gln Lys Asn Glu Ser Val Arg Asn Gln Val Glu Asp Leu Leu Ala Thr		
385	390	395 400
Leu Glu Thr Val Ser Tyr Ala His Leu Asn Leu Gln Gly Gly Glu Val		
405	410	415

Leu

<210> 1163
 <211> 709
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (216)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1163
 Met Ala Thr Ala Gly Gly Gly Ser Gly Ala Asp Pro Gly Ser Arg Gly
 1 5 10 15
 Leu Leu Arg Leu Leu Ser Phe Cys Val Leu Leu Ala Gly Leu Cys Arg
 20 25 30
 Gly Asn Ser Val Glu Arg Lys Ile Tyr Ile Pro Leu Asn Lys Thr Ala
 35 40 45
 Pro Cys Val Arg Leu Leu Asn Ala Thr His Gln Ile Gly Cys Gln Ser
 50 55 60
 Ser Ile Ser Gly Asp Thr Gly Val Ile His Val Val Glu Lys Glu Glu
 65 70 75 80
 Asp Leu Gln Trp Val Leu Thr Asp Gly Pro Asn Pro Pro Tyr Met Val
 85 90 95
 Leu Leu Glu Ser Lys His Phe Thr Arg Asp Leu Met Glu Lys Leu Lys
 100 105 110
 Gly Arg Thr Ser Arg Ile Ala Gly Leu Ala Val Ser Leu Thr Lys Pro
 115 120 125
 Ser Pro Ala Ser Gly Phe Ser Pro Ser Val Gln Cys Pro Asn Asp Gly
 130 135 140

Phe	Gly	Val	Tyr	Ser	Asn	Ser	Tyr	Gly	Pro	Glu	Phe	Ala	His	Cys	Arg	145	150	155	160
Glu	Ile	Gln	Trp	Asn	Ser	Leu	Gly	Asn	Gly	Leu	Ala	Tyr	Glu	Asp	Phe	165	170	175	
Ser	Phe	Pro	Ile	Phe	Leu	Leu	Glu	Asp	Glu	Asn	Glu	Thr	Lys	Val	Ile	180	185	190	
Lys	Gln	Cys	Tyr	Gln	Asp	His	Asn	Leu	Ser	Gln	Asn	Gly	Ser	Ala	Pro	195	200	205	
Ser	Phe	Pro	Leu	Cys	Ala	Met	Xaa	Leu	Phe	Ser	His	Met	His	Ala	Val	210	215	220	
Ile	Ser	Thr	Ala	Thr	Cys	Met	Arg	Arg	Ser	Ser	Ile	Gln	Ser	Thr	Phe	225	230	235	240
Ser	Ile	Asn	Pro	Glu	Ile	Val	Cys	Asp	Pro	Leu	Ser	Asp	Tyr	Asn	Val	245	250	255	
Trp	Ser	Met	Leu	Lys	Pro	Ile	Asn	Thr	Thr	Gly	Thr	Leu	Lys	Pro	Asp	260	265	270	
Asp	Arg	Val	Val	Val	Ala	Ala	Thr	Arg	Leu	Asp	Ser	Arg	Ser	Phe	Phe	275	280	285	
Trp	Asn	Val	Ala	Pro	Gly	Ala	Glu	Ser	Ala	Val	Ala	Ser	Phe	Val	Thr	290	295	300	
Gln	Leu	Ala	Ala	Ala	Glu	Ala	Leu	Gln	Lys	Ala	Pro	Asp	Val	Thr	Thr	305	310	315	320
Leu	Pro	Arg	Asn	Val	Met	Phe	Val	Phe	Phe	Gln	Gly	Glu	Thr	Phe	Asp	325	330	335	
Tyr	Ile	Gly	Ser	Ser	Arg	Met	Val	Tyr	Asp	Met	Glu	Lys	Gly	Lys	Phe	340	345	350	
Pro	Val	Gln	Leu	Glu	Asn	Val	Asp	Ser	Phe	Val	Glu	Leu	Gly	Gln	Val	355	360	365	
Ala	Leu	Arg	Thr	Ser	Leu	Glu	Leu	Trp	Met	His	Thr	Asp	Pro	Val	Ser	370	375	380	
Gln	Lys	Asn	Glu	Ser	Val	Arg	Asn	Gln	Val	Glu	Asp	Leu	Leu	Ala	Thr	385	390	395	400
Leu	Glu	Lys	Ser	Gly	Ala	Gly	Val	Pro	Ala	Val	Ile	Leu	Arg	Arg	Pro	405	410	415	
Asn	Gln	Ser	Gln	Pro	Leu	Pro	Pro	Ser	Ser	Leu	Gln	Arg	Phe	Leu	Arg	420	425	430	
Ala	Arg	Asn	Ile	Ser	Gly	Val	Val	Leu	Ala	Asp	His	Ser	Gly	Ala	Phe	435	440	445	

His Asn Lys Tyr Tyr Gln Ser Ile Tyr Asp Thr Ala Glu Asn Ile Asn
 450 455 460
 Val Ser Tyr Pro Glu Trp Leu Ser Pro Glu Glu Asp Leu Asn Phe Val
 465 470 475 480
 Thr Asp Thr Ala Lys Ala Leu Ala Asp Val Ala Thr Val Leu Gly Arg
 485 490 495
 Ala Leu Tyr Glu Leu Ala Gly Gly Thr Asn Phe Ser Asp Thr Val Gln
 500 505 510
 Ala Asp Pro Gln Thr Val Thr Arg Leu Leu Tyr Gly Phe Leu Ile Lys
 515 520 525
 Ala Asn Asn Ser Trp Phe Gln Ser Ile Leu Arg Gln Asp Leu Arg Ser
 530 535 540
 Tyr Leu Gly Asp Gly Pro Leu Gln His Tyr Ile Ala Val Ser Ser Pro
 545 550 555 560
 Thr Asn Thr Thr Tyr Val Val Gln Tyr Ala Leu Ala Asn Leu Thr Gly
 565 570 575
 Thr Val Val Asn Leu Thr Arg Glu Gln Cys Gln Asp Pro Ser Lys Val
 580 585 590
 Pro Ser Glu Asn Lys Asp Leu Tyr Glu Tyr Ser Trp Val Gln Gly Pro
 595 600 605
 Leu His Ser Asn Glu Thr Asp Arg Leu Pro Arg Cys Val Arg Ser Thr
 610 615 620
 Ala Arg Leu Ala Arg Ala Leu Ser Pro Ala Phe Glu Leu Ser Gln Trp
 625 630 635 640
 Ser Ser Thr Glu Tyr Ser Thr Trp Thr Glu Ser Arg Trp Lys Asp Ile
 645 650 655
 Arg Ala Arg Ile Phe Leu Ile Ala Ser Lys Glu Leu Glu Leu Ile Thr
 660 665 670
 Leu Thr Val Gly Phe Gly Ile Leu Ile Phe Ser Leu Ile Val Thr Tyr
 675 680 685
 Cys Ile Asn Ala Lys Ala Asp Val Leu Phe Ile Ala Pro Arg Glu Pro
 690 695 700
 Gly Ala Val Ser Tyr
 705

<210> 1164
 <211> 230
 <212> PRT
 <213> Homo sapiens

<400> 1164

Met Thr Gly Leu Tyr Glu Leu Val Trp Arg Val Leu His Ala Leu Leu
1 5 10 15

Cys Leu His Arg Thr Leu Thr Ser Trp Leu Arg Val Arg Phe Gly Thr
20 25 30

Trp Asn Trp Ile Trp Arg Arg Cys Cys Arg Ala Ala Ser Ala Ala Val
35 40 45

Leu Ala Pro Leu Gly Phe Thr Leu Arg Lys Pro Pro Ala Val Gly Arg
50 55 60

Asn Arg Arg His His Arg His Pro Arg Gly Gly Ser Cys Leu Ala Ala
65 70 75 80

Ala His His Arg Met Arg Trp Arg Ala Asp Gly Arg Ser Leu Glu Lys
85 90 95

Leu Pro Val His Met Gly Leu Val Ile Thr Glu Val Glu Gln Glu Pro
100 105 110

Ser Phe Ser Asp Ile Ala Ser Leu Val Val Trp Cys Met Ala Val Gly
115 120 125

Ile Ser Tyr Ile Ser Val Tyr Asp His Gln Gly Ile Phe Lys Arg Asn
130 135 140

Asn Ser Arg Leu Met Asp Glu Ile Leu Lys Gln Gln Gln Glu Leu Leu
145 150 155 160

Gly Leu Asp Cys Ser Lys Tyr Ser Pro Glu Phe Ala Asn Ser Asn Asp
165 170 175

Lys Asp Asp Gln Val Leu Asn Cys His Leu Ala Val Lys Val Leu Ser
180 185 190

Ala Gly Arg Trp Lys Ser Arg Tyr Cys Lys Ser Cys Ser Gly Leu Leu
195 200 205

Pro Val Ser Ser Pro Glu Ala Lys Glu Thr His Arg Phe Gly Cys Arg
210 215 220

Tyr Val Ser Gln Phe Thr
225 230

<210> 1165

<211> 293

<212> PRT

<213> Homo sapiens

<400> 1165

Met Thr Gly Leu Tyr Glu Leu Val Trp Arg Val Leu His Ala Leu Leu
1 5 10 15

Cys Leu His Arg Thr Leu Thr Ser Trp Leu Arg Val Arg Phe Gly Thr
 20 25 30

Trp Asn Trp Ile Trp Arg Arg Cys Cys Arg Ala Ala Ser Ala Ala Val
 35 40 45

Leu Ala Pro Leu Gly Phe Thr Leu Arg Lys Pro Pro Ala Val Gly Arg
 50 55 60

Asn Arg Arg His His Arg His Pro Arg Gly Gly Ser Cys Leu Ala Ala
 65 70 75 80

Ala His His Arg Met Arg Trp Arg Ala Asp Gly Arg Ser Leu Glu Lys
 85 90 95

Leu Pro Val His Met Gly Leu Val Ile Thr Glu Val Glu Gln Glu Pro
 100 105 110

Ser Phe Ser Asp Ile Ala Ser Leu Val Val Trp Cys Met Ala Val Gly
 115 120 125

Ile Ser Tyr Ile Ser Val Tyr Asp His Gln Gly Ile Phe Lys Arg Asn
 130 135 140

Asn Ser Arg Leu Met Asp Glu Ile Leu Lys Gln Gln Gln Glu Leu Leu
 145 150 155 160

Gly Leu Asp Cys Ser Lys Tyr Ser Pro Glu Phe Ala Asn Ser Asn Asp
 165 170 175

Lys Asp Asp Gln Val Leu Asn Cys His Leu Ala Val Lys Val Leu Ser
 180 185 190

Pro Glu Asp Gly Lys Ala Asp Ile Val Arg Ala Ala Gln Asp Phe Cys
 195 200 205

Gln Leu Val Ala Gln Lys Gln Lys Arg Pro Thr Asp Leu Asp Val Asp
 210 215 220

Thr Leu Ala Ser Leu Leu Ser Ser Asn Gly Cys Pro Asp Pro Asp Leu
 225 230 235 240

Val Leu Lys Phe Gly Pro Val Asp Ser Thr Leu Gly Phe Leu Pro Trp
 245 250 255

His Ile Arg Leu Thr Glu Ile Val Ser Leu Pro Ser His Leu Asn Ile
 260 265 270

Ser Tyr Glu Asp Phe Phe Ser Ala Leu Arg Gln Tyr Ala Ala Cys Glu
 275 280 285

Gln Arg Leu Gly Lys
 290

<210> 1166
 <211> 173
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (85)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (128)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (146)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (160)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (168)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (172)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1166
 Met Val Glu Glu Pro Gly Arg Phe Leu Pro Leu Trp Leu His Ile Leu
 1 5 10 15
 Leu Ile Thr Val Leu Leu Val Leu Ser Gly Ile Phe Ser Gly Leu Asn
 20 25 30
 Leu Gly Leu Met Ala Leu Asp Pro Met Glu Leu Arg Ile Val Gln Asn
 35 40 45
 Cys Gly Thr Glu Lys Glu Arg Arg Tyr Ala Arg Lys Ile Glu Pro Ile
 50 55 60
 Arg Arg Lys Gly Asn Tyr Leu Leu Cys Ser Leu Leu Leu Gly Asn Val
 65 70 75 80
 Leu Val Asn Thr Xaa Leu Thr Ile Leu Leu Asp Asn Leu Ile Gly Ser
 85 90 95
 Gly Leu Met Ala Val Ala Ser Ser Thr Ile Gly Ile Val Ile Phe Gly
 100 105 110

Gly Leu Met Ala Val Ala Ser Ser Thr Ile Gly Ile Val Ile Phe Gly
 100 105 110
 Glu Ile Leu Pro Gln Ala Leu Cys Ser Arg His Gly Leu Ala Val Gly
 115 120 125
 Ala Asn Thr Ile Leu Leu Thr Lys Phe Phe Met Leu Leu Thr Phe Pro
 130 135 140
 Leu Xaa Phe Pro Ile Ser Lys Leu Leu Asp Phe Phe Leu Gly Gln Xaa
 145 150 155 160
 Ile Arg Thr Val Tyr Asn Arg Xaa Lys Leu Met Xaa Met
 165 170

<210> 1168
 <211> 314
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (93)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1168
 Glu Lys Ala Ala Gly Ala Gly Lys Ser His Leu Ala Ile Val Gln Lys
 1 5 10 15
 Val Asn Asn Glu Gly Glu Gly Asp Pro Phe Tyr Glu Val Leu Gly Leu
 20 25 30
 Val Thr Leu Glu Asp Val Ile Glu Glu Ile Ile Lys Ser Glu Ile Leu
 35 40 45
 Asp Glu Ser Asp Met Tyr Thr Asp Asn Arg Ser Arg Lys Arg Val Ser
 50 55 60
 Glu Lys Asn Lys Arg Asp Phe Ser Ala Phe Lys Asp Ala Asp Asn Glu
 65 70 75 80
 Leu Lys Val Lys Ile Ser Pro Gln Leu Leu Leu Ala Xaa His Arg Phe
 85 90 95
 Leu Ala Thr Glu Val Ser Gln Phe Ser Pro Ser Leu Ile Ser Glu Lys
 100 105 110
 Ile Leu Leu Arg Leu Leu Lys Tyr Pro Asp Val Ile Gln Glu Leu Lys
 115 120 125
 Phe Asp Glu His Asn Lys Tyr Tyr Ala Arg His Tyr Leu Tyr Thr Arg
 130 135 140
 Asn Lys Pro Ala Asp Tyr Phe Ile Leu Ile Leu Gln Gly Lys Val Glu

145		150		155		160
Val Glu Ala Gly Lys Glu Asn Met Lys Phe Glu Thr Gly Ala Phe Ser						
	165		170		175	
Tyr Tyr Gly Thr Met Ala Leu Thr Ser Val Pro Ser Asp Arg Ser Pro						
	180		185		190	
Ala His Pro Thr Pro Leu Ser Arg Ser Ala Ser Leu Ser Tyr Pro Asp						
	195		200		205	
Arg Thr Asp Val Ser Thr Ala Ala Thr Leu Ala Gly Ser Ser Asn Gln						
	210		215		220	
Phe Gly Ser Ser Val Leu Gly Gln Tyr Ile Ser Asp Phe Ser Val Arg						
	225		230		235	240
Ala Leu Val Asp Leu Gln Tyr Ile Lys Ile Thr Arg Gln Gln Tyr Gln						
	245		250		255	
Asn Gly Leu Leu Ala Ser Arg Met Glu Asn Ser Pro Gln Phe Pro Ile						
	260		265		270	
Asp Gly Cys Thr Thr His Met Glu Asn Leu Ala Glu Lys Ser Glu Leu						
	275		280		285	
Pro Val Val Asp Glu Thr Thr Thr Leu Leu Asn Glu Arg Asn Ser Leu						
	290		295		300	
Leu His Lys Ala Ser His Glu Asn Ala Ile						
305		310				

<210> 1169
 <211> 604
 <212> PRT
 <213> Homo sapiens

<400> 1169

Met Val Glu Glu Pro Gly Arg Phe Leu Pro Leu Trp Leu His Ile Leu										
1		5		10		15				
Leu Ile Thr Val Leu Leu Val Leu Ser Gly Ile Phe Ser Gly Leu Asn										
	20		25		30					
Leu Gly Leu Met Ala Leu Asp Pro Met Glu Leu Arg Ile Val Gln Asn										
	35		40		45					
Cys Gly Thr Glu Lys Glu Arg Arg Tyr Ala Arg Lys Ile Glu Pro Ile										
	50		55		60					
Arg Arg Lys Gly Asn Tyr Leu Leu Cys Ser Leu Leu Leu Gly Asn Val										
	65		70		75		80			
Leu Val Asn Thr Ser Leu Thr Ile Leu Leu Asp Asn Leu Ile Gly Ser										
	85		90		95					

Gly	Leu	Met	Ala	Val	Ala	Ser	Ser	Thr	Ile	Gly	Ile	Val	Ile	Phe	Gly	100	105	110	
Glu	Ile	Leu	Pro	Gln	Ala	Leu	Cys	Ser	Arg	His	Gly	Leu	Ala	Val	Gly	115	120	125	
Ala	Asn	Thr	Ile	Leu	Leu	Thr	Lys	Phe	Phe	Met	Leu	Leu	Thr	Phe	Pro	130	135	140	
Leu	Ser	Phe	Pro	Ile	Ser	Lys	Leu	Leu	Asp	Phe	Phe	Leu	Gly	Gln	Glu	145	150	155	160
Ile	Arg	Thr	Val	Tyr	Asn	Arg	Glu	Lys	Leu	Met	Glu	Met	Leu	Lys	Val	165	170	175	
Thr	Glu	Pro	Tyr	Asn	Asp	Leu	Val	Lys	Glu	Glu	Leu	Asn	Met	Ile	Gln	180	185	190	
Gly	Ala	Leu	Glu	Leu	Arg	Thr	Lys	Thr	Val	Glu	Asp	Ile	Met	Thr	Gln	195	200	205	
Leu	Gln	Asp	Cys	Phe	Met	Ile	Arg	Ser	Asp	Ala	Ile	Leu	Asp	Phe	Asn	210	215	220	
Thr	Met	Ser	Glu	Ile	Met	Glu	Ser	Gly	Tyr	Thr	Arg	Ile	Pro	Val	Phe	225	230	235	240
Glu	Asp	Glu	Gln	Ser	Asn	Ile	Val	Asp	Ile	Leu	Tyr	Val	Lys	Asp	Leu	245	250	255	
Ala	Phe	Val	Asp	Pro	Asp	Asp	Cys	Thr	Pro	Leu	Lys	Thr	Ile	Thr	Arg	260	265	270	
Phe	Tyr	Asn	His	Pro	Val	His	Phe	Val	Phe	His	Asp	Thr	Lys	Leu	Asp	275	280	285	
Ala	Met	Leu	Glu	Glu	Phe	Lys	Lys	Gly	Lys	Ser	His	Leu	Ala	Ile	Val	290	295	300	
Gln	Lys	Val	Asn	Asn	Glu	Gly	Glu	Gly	Asp	Pro	Phe	Tyr	Glu	Val	Leu	305	310	315	320
Gly	Leu	Val	Thr	Leu	Glu	Asp	Val	Ile	Glu	Glu	Ile	Ile	Lys	Ser	Glu	325	330	335	
Ile	Leu	Asp	Glu	Ser	Asp	Met	Tyr	Thr	Asp	Asn	Arg	Ser	Arg	Lys	Arg	340	345	350	
Val	Ser	Glu	Lys	Asn	Lys	Arg	Asp	Phe	Ser	Ala	Phe	Lys	Asp	Ala	Asp	355	360	365	
Asn	Glu	Leu	Lys	Val	Lys	Ile	Ser	Pro	Gln	Leu	Leu	Leu	Ala	Ala	His	370	375	380	
Arg	Phe	Leu	Ala	Thr	Glu	Val	Ser	Gln	Phe	Ser	Pro	Ser	Leu	Ile	Ser	385	390	395	400

Glu Lys Ile Leu Leu Arg Leu Leu Lys Tyr Pro Asp Val Ile Gln Glu
 405 410 415
 Leu Lys Phe Asp Glu His Asn Lys Tyr Tyr Ala Arg His Tyr Leu Tyr
 420 425 430
 Thr Arg Asn Lys Pro Ala Asp Tyr Phe Ile Leu Ile Leu Gln Gly Lys
 435 440 445
 Val Glu Val Glu Ala Gly Lys Glu Asn Met Lys Phe Glu Thr Gly Ala
 450 455 460
 Phe Ser Tyr Tyr Gly Thr Met Ala Leu Thr Ser Val Pro Ser Asp Arg
 465 470 475 480
 Ser Pro Ala His Pro Thr Pro Leu Ser Arg Ser Ala Ser Leu Ser Tyr
 485 490 495
 Pro Asp Arg Thr Asp Val Ser Thr Ala Ala Thr Leu Ala Gly Ser Ser
 500 505 510
 Asn Gln Phe Gly Ser Ser Val Leu Gly Gln Tyr Ile Ser Asp Phe Ser
 515 520 525
 Val Arg Ala Leu Val Asp Leu Gln Tyr Ile Lys Ile Thr Arg Gln Gln
 530 535 540
 Tyr Gln Asn Gly Leu Leu Ala Ser Arg Met Glu Asn Ser Pro Gln Phe
 545 550 555 560
 Pro Ile Asp Gly Cys Thr Thr His Met Glu Asn Leu Ala Glu Lys Ser
 565 570 575
 Glu Leu Pro Val Val Asp Glu Thr Thr Thr Leu Leu Asn Glu Arg Asn
 580 585 590
 Ser Leu Leu His Lys Ala Ser His Glu Asn Ala Ile
 595 600

<210> 1170
 <211> 189
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (169)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (172)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (180)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1170

Met Ala Ala Ala Ser Ala Gly Ala Thr Arg Leu Leu Leu Leu Leu Leu
1 5 10 15

Met Ala Val Ala Ala Pro Ser Arg Ala Arg Gly Ser Gly Cys Arg Ala
20 25 30

Gly Thr Gly Ala Arg Gly Ala Gly Ala Glu Gly Arg Glu Gly Glu Ala
35 40 45

Cys Gly Thr Val Gly Leu Leu Leu Glu His Ser Phe Glu Ile Asp Asp
50 55 60

Ser Ala Asn Phe Arg Lys Arg Gly Ser Leu Leu Trp Asn Gln Gln Asp
65 70 75 80

Gly Thr Leu Ser Leu Ser Gln Arg Gln Leu Ser Glu Glu Glu Arg Gly
85 90 95

Arg Leu Arg Asp Val Ala Ala Leu Asn Gly Leu Tyr Arg Val Arg Ile
100 105 110

Pro Arg Arg Pro Gly Ala Leu Asp Gly Leu Glu Ala Gly Gly Tyr Val
115 120 125

Ser Ser Phe Val Pro Ala Cys Ser Leu Val Glu Ser His Leu Ser Asp
130 135 140

Gln Leu Thr Leu His Val Asp Val Ala Gly Asn Val Val Gly Val Ser
145 150 155 160

Val Val Thr His Pro Met Ala Pro Xaa Ser Pro Xaa Gly Phe Pro Leu
165 170 175

Pro Trp Ser Xaa Ala Glu Ile Leu Ala Thr Ile Gln Phe
180 185

<210> 1171

<211> 117

<212> PRT

<213> Homo sapiens

<400> 1171

Ala Ala Ser Ala Gly Ala Thr Arg Leu Leu Leu Leu Leu Met Ala
1 5 10 15

Val Ala Ala Pro Ser Arg Ala Arg Gly Ser Gly Cys Arg Ala Gly Thr
20 25 30

Gly Ala Arg Gly Ala Gly Ala Glu Gly Arg Glu Gly Glu Ala Cys Gly

35	40	45
Thr Val Gly Leu Leu Leu Glu His Ser Phe Glu Ile Leu Ala Thr Met		
50	55	60
Pro Val Leu Thr Ser His Pro Pro Thr Pro Ser Pro Cys Ser Leu Gly		
65	70	75
Thr Cys Arg Leu Leu Ser Ser Leu Cys Ala Phe Val Pro Gly Gly Leu		
	85	90
Thr Leu Leu Ser Leu Ala Gly Leu Gly Gly Pro Val Gln Ala Pro Ala		
	100	105
Ala Pro Pro Ser Leu		
115		

<210> 1172
 <211> 241
 <212> PRT
 <213> Homo sapiens

<400> 1172

Met Ala Ala Ala Ser Ala Gly Ala Thr Arg Leu Leu Leu Leu Leu Leu		
1	5	10
Met Ala Val Ala Ala Pro Ser Arg Ala Arg Gly Ser Gly Cys Arg Ala		
	20	25
Gly Thr Gly Ala Arg Gly Ala Gly Ala Glu Gly Arg Glu Gly Glu Ala		
	35	40
Cys Gly Thr Val Gly Leu Leu Leu Glu His Ser Phe Glu Ile Asp Asp		
	50	55
Ser Ala Asn Phe Arg Lys Arg Gly Ser Leu Leu Trp Asn Gln Gln Asp		
65	70	75
Gly Thr Leu Ser Leu Ser Gln Arg Gln Leu Ser Glu Glu Glu Arg Gly		
	85	90
Arg Leu Arg Asp Val Ala Ala Leu Asn Gly Leu Tyr Arg Val Arg Ile		
	100	105
Pro Arg Arg Pro Gly Ala Leu Asp Gly Leu Glu Ala Gly Gly Tyr Val		
	115	120
Ser Ser Phe Val Pro Ala Cys Ser Leu Val Glu Ser His Leu Ser Asp		
	130	135
Gln Leu Thr Leu His Val Asp Val Ala Gly Asn Val Val Gly Val Ser		
145	150	155
Val Val Thr His Pro Met Ala Pro Cys Ser Pro Arg Gly Phe Pro Pro		
	165	170

Ala His Gly Val Glu Pro Glu Ile Leu Ala Thr Met Pro Val Leu Thr
180 185 190

Ser His Pro Pro Thr Pro Ser Pro Cys Ser Leu Gly Thr Cys Arg Leu
195 200 205

Leu Ser Ser Leu Cys Ala Phe Val Pro Gly Gly Leu Thr Leu Leu Ser
210 215 220

Leu Ala Gly Leu Gly Gly Pro Val Gln Ala Pro Ala Ala Pro Pro Ser
225 230 235 240

Leu

<210> 1173
<211> 265
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (215)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1173
Met Phe Leu Leu Phe Leu Leu Thr Cys Glu Leu Ala Ala Glu Val Ala
1 5 10 15

Ala Glu Val Glu Lys Ser Ser Asp Gly Pro Gly Ala Ala Gln Glu Pro
20 25 30

Thr Trp Leu Thr Asp Val Pro Ala Ala Met Glu Phe Ile Ala Ala Thr
35 40 45

Glu Val Ala Val Ile Gly Phe Phe Gln Asp Leu Glu Ile Pro Ala Val
50 55 60

Pro Ile Leu His Ser Met Val Gln Lys Phe Pro Gly Val Ser Phe Gly
65 70 75 80

Ile Ser Thr Asp Ser Glu Val Leu Thr His Tyr Asn Ile Thr Gly Asn
85 90 95

Thr Ile Cys Leu Phe Arg Leu Val Asp Asn Glu Gln Leu Asn Leu Glu
100 105 110

Asp Glu Asp Ile Glu Ser Ile Asp Ala Thr Lys Leu Ser Arg Phe Ile
115 120 125

Glu Ile Asn Ser Leu His Met Val Thr Glu Tyr Asn Pro Val Thr Val
130 135 140

Ile Gly Leu Phe Asn Ser Val Ile Gln Ile His Leu Leu Leu Ile Met

145		150		155		160
Asn Lys Ala Ser Pro Glu Tyr Glu Glu Asn Met His Arg Tyr Gln Lys						
		165		170		175
Ala Ala Lys Leu Phe Gln Gly Lys Ile Leu Phe Ile Leu Val Asp Ser						
		180		185		190
Gly Met Lys Glu Asn Gly Lys Val Ile Ser Phe Phe Lys Leu Lys Glu						
		195		200		205
Ser Gln Leu Pro Ala Leu Xaa Ile Tyr Gln Thr Leu Asp Asp Glu Trp						
		210		215		220
Asp Thr Leu Pro Thr Ala Glu Val Ser Val Glu His Val Gln Asn Phe						
		225		230		235
Cys Asp Gly Phe Leu Ser Gly Lys Leu Leu Lys Glu Asn Arg Glu Ser						
		245		250		255
Glu Gly Lys Thr Pro Lys Val Glu Leu						
		260		265		

<210> 1174
 <211> 265
 <212> PRT
 <213> Homo sapiens

<400> 1174
 Met Phe Leu Leu Phe Leu Leu Thr Cys Glu Leu Ala Ala Glu Val Ala
 1 5 10 15
 Ala Glu Val Glu Lys Ser Ser Asp Gly Pro Gly Ala Ala Gln Glu Pro
 20 25 30
 Thr Trp Leu Thr Asp Val Pro Ala Ala Met Glu Phe Ile Ala Ala Thr
 35 40 45
 Glu Val Ala Val Ile Gly Phe Phe Gln Asp Leu Glu Ile Pro Ala Val
 50 55 60
 Pro Ile Leu His Ser Met Val Gln Lys Phe Pro Gly Val Ser Phe Gly
 65 70 75 80
 Ile Ser Thr Asp Ser Glu Val Leu Thr His Tyr Asn Ile Thr Gly Asn
 85 90 95
 Thr Ile Cys Leu Phe Arg Leu Val Asp Asn Glu Gln Leu Asn Leu Glu
 100 105 110
 Asp Glu Asp Ile Glu Ser Ile Asp Ala Thr Lys Leu Ser Arg Phe Ile
 115 120 125
 Glu Ile Asn Ser Leu His Met Val Thr Glu Tyr Asn Pro Val Thr Val
 130 135 140

Ile Gly Leu Phe Asn Ser Val Ile Gln Ile His Leu Leu Leu Ile Met
 145 150 155 160
 Asn Lys Ala Ser Pro Glu Tyr Glu Glu Asn Met His Arg Tyr Gln Lys
 165 170 175
 Ala Ala Lys Leu Phe Gln Gly Lys Ile Leu Phe Ile Leu Val Asp Ser
 180 185 190
 Gly Met Lys Glu Asn Gly Lys Val Ile Ser Phe Phe Lys Leu Lys Glu
 195 200 205
 Ser Gln Leu Pro Ala Leu Ala Ile Tyr Gln Thr Leu Asp Asp Glu Trp
 210 215 220
 Asp Thr Leu Pro Thr Ala Glu Val Ser Val Glu His Val Gln Asn Phe
 225 230 235 240
 Cys Asp Gly Phe Leu Ser Gly Lys Leu Leu Lys Glu Asn Arg Glu Ser
 245 250 255
 Glu Gly Lys Thr Pro Lys Val Glu Leu
 260 265

<210> 1175
 <211> 158
 <212> PRT
 <213> Homo sapiens

<400> 1175

Met Arg Arg Thr Thr Leu Ser Leu Leu Trp Thr Gly Ser Leu Pro Ala
 1 5 10 15
 Pro Pro Ala Thr Thr Ser Gly Gly Ala Ala Cys Pro Ser Gly Arg Arg
 20 25 30
 Tyr Pro Gly Ala Gly Asn Ala Gly Ser Ala Thr Ser Gln Cys Gln Leu
 35 40 45
 Thr Arg Cys Gly Ala Trp Leu Ser Ser Thr Ala Arg Ser Val Gly Thr
 50 55 60
 Thr Ser Gly Ala Gly His Arg Trp Gly Pro Arg Pro Pro Ala Thr Gly
 65 70 75 80
 Ala Ala Ser Pro Cys Ile Gln His Gly Ser Ser Pro Arg Ala Gly Thr
 85 90 95
 Gly Thr Arg Ile Ala Ala Ala Pro Thr Leu Thr Pro Ala Gln Leu Pro
 100 105 110
 Thr Ala Thr Thr Gly Glu Ser Pro Thr Cys Leu Gly His Pro Val Leu
 115 120 125

Thr Pro Arg Ala Gly Ser Arg Thr Thr Cys Pro Lys Cys Ser Thr Pro
 130 135 140

Ala Thr Leu Thr Leu Ala Val Ala Pro Leu Trp Pro Pro Ala
 145 150 155

<210> 1176
 <211> 291
 <212> PRT
 <213> Homo sapiens

<400> 1176
 Met Ser Gln Glu Gly Val Glu Leu Glu Lys Ser Val Arg Arg Leu Arg
 1 5 10 15

Glu Lys Phe His Gly Lys Val Ser Ser Lys Lys Ala Gly Ala Leu Met
 20 25 30

Arg Lys Phe Gly Ser Asp His Thr Gly Val Gly Arg Ser Ile Val Tyr
 35 40 45

Gly Val Lys Gln Lys Asp Gly Gln Glu Leu Ser Asn Asp Leu Asp Ala
 50 55 60

Gln Asp Pro Pro Glu Asp Met Lys Gln Asp Arg Asp Ile Gln Ala Val
 65 70 75 80

Ala Thr Ser Leu Leu Pro Leu Thr Glu Ala Asn Leu Arg Met Phe Gln
 85 90 95

Arg Ala Gln Asp Asp Leu Ile Pro Ala Val Asp Arg Gln Phe Ala Cys
 100 105 110

Ser Ser Cys Asp His Val Trp Trp Arg Arg Val Pro Gln Arg Lys Glu
 115 120 125

Val Ser Arg Cys Arg Lys Cys Arg Lys Arg Tyr Glu Pro Val Pro Ala
 130 135 140

Asp Lys Met Trp Gly Leu Ala Glu Phe His Cys Pro Lys Cys Arg His
 145 150 155 160

Asn Phe Arg Gly Trp Ala Gln Met Gly Ser Pro Ser Pro Cys Tyr Gly
 165 170 175

Cys Gly Phe Pro Val Tyr Pro Thr Arg Ile Leu Pro Pro Arg Trp Asp
 180 185 190

Arg Asp Pro Asp Arg Arg Ser Thr His Thr His Ser Cys Ser Ala Ala
 195 200 205

Asp Cys Tyr Asn Arg Arg Glu Pro His Val Pro Gly Thr Ser Cys Ala
 210 215 220

His Pro Lys Ser Arg Lys Gln Asn His Leu Pro Lys Val Leu His Pro

<400> 1178

Gly Thr Gln Xaa Ala Leu
1 5

<210> 1179

<211> 125

<212> PRT

<213> Homo sapiens

<400> 1179

Met Arg Gly Thr Gln Leu Val Leu Leu Ala Leu Val Leu Ala Ala Cys
1 5 10 15

Gly Glu Leu Ala Pro Ala Leu Arg Cys Tyr Val Cys Pro Glu Pro Thr
20 25 30

Gly Val Ser Asp Cys Val Thr Ile Ala Thr Cys Thr Thr Asn Glu Thr
35 40 45

Met Cys Lys Thr Thr Leu Tyr Ser Arg Glu Ile Val Tyr Pro Phe Gln
50 55 60

Gly Asp Ser Thr Val Thr Lys Ser Cys Ala Ser Lys Cys Lys Pro Ser
65 70 75 80

Asp Val Asp Gly Ile Gly Gln Thr Leu Pro Val Ser Cys Cys Asn Thr
85 90 95

Glu Leu Cys Asn Val Asp Gly Ala Pro Ala Leu Asn Ser Leu His Cys
100 105 110

Gly Ala Leu Thr Leu Leu Pro Leu Leu Ser Leu Arg Leu
115 120 125

<210> 1180

<211> 132

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (104)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (120)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1180

Met Pro Asp Val Gln Gly Pro Trp His Pro Ala His Pro Pro Ile Pro
1 5 10 15

Ser Ala Ala Leu Cys Leu Leu Trp Pro His Cys Leu Ala Ala Pro Lys
 20 25 30
 Tyr Ala Arg Pro Arg Cys Leu Leu Val Phe Val Leu Cys Asp Arg Ser
 35 40 45
 Ala Trp Asn Ile Leu Leu Tyr Ser Val Gly Ser Lys Val Ser Gly Leu
 50 55 60
 Cys Ser Asn Cys Ser Leu Val Pro Gly Val Val Ala His Thr Cys Asn
 65 70 75 80
 Pro Lys Val Pro Leu Gly Leu Gln Gly Cys Glu Leu Pro Cys Pro Ala
 85 90 95
 Glu His Leu Ile Phe Ser Lys Xaa Leu Ser Ser Cys Ala Thr Trp Ala
 100 105 110
 His Cys Phe Leu Gly Leu Ser Xaa Cys Trp Cys Leu His Pro His Pro
 115 120 125
 His Pro Ser Trp
 130

<210> 1181
 <211> 92
 <212> PRT
 <213> Homo sapiens

<400> 1181
 Ser Gly Leu Ala Trp Ala Leu Leu Leu Ser Leu Pro Gly Gly Leu Arg
 1 5 10 15
 Ser Ser Ser Ala Arg Leu Pro Pro Glu Pro Phe His Gly Gln Gly Leu
 20 25 30
 Ser Ser Val Gly Ala Ile Arg Arg Arg Val Cys Arg Ser Val Arg Leu
 35 40 45
 Gly Asp Pro Trp Gly Met Glu Gly Thr Thr Arg Pro Phe Pro Ser Val
 50 55 60
 Pro Cys Gln Ala Val Leu Thr Ala Ala Ser Ser Gln Gly Arg Lys Pro
 65 70 75 80
 Gly Gln Arg Gln Arg Leu Leu Val Pro Ser Ile Pro
 85 90

<210> 1182
 <211> 139
 <212> PRT
 <213> Homo sapiens

<400> 1182

Thr Phe Arg Leu Val Ser Ala His Leu Lys Thr Arg Lys Leu Ile Asn
1 5 10 15

Pro Glu Ala Ala Glu Arg Arg Trp Arg Asp Trp Asp Ser Arg Gln Gly
20 25 30

Trp Leu Ser Val Lys Met Gln Arg Val Ser Gly Leu Leu Ser Trp Thr
35 40 45

Leu Ser Arg Val Leu Trp Leu Ser Gly Leu Ser Glu Pro Gly Ala Ala
50 55 60

Arg Gln Pro Arg Ile Met Glu Glu Lys Ala Leu Glu Val Tyr Asp Leu
65 70 75 80

Ile Arg Thr Ile Arg Asp Pro Glu Lys Pro Asn Thr Leu Glu Glu Leu
85 90 95

Glu Val Val Ser Glu Ser Cys Val Glu Val Gln Glu Ile Asn Glu Glu
100 105 110

Glu Tyr Leu Val Ile Ile Arg Phe Thr Pro Thr Val Pro His Cys Ser
115 120 125

Leu Ala Thr Leu Ile Val Gly Asn Leu His Phe
130 135

<210> 1183

<211> 143

<212> PRT

<213> Homo sapiens

<400> 1183

Met Pro Asp Val Gln Gly Pro Trp His Pro Ala His Pro Pro Ile Pro
1 5 10 15

Ser Ala Ala Leu Cys Leu Leu Trp Pro His Cys Leu Ala Ala Pro Lys
20 25 30

Tyr Ala Arg Pro Arg Cys Leu Leu Val Phe Val Leu Cys Asp Arg Ser
35 40 45

Ala Trp Asn Ile Leu Leu Tyr Ser Val Gly Ser Lys Val Ser Gly Leu
50 55 60

Cys Ser Asn Cys Ser Leu Val Pro Gly Val Val Ala His Thr Cys Asn
65 70 75 80

Pro Lys Val Pro Leu Gly Leu Gln Gly Cys Glu Leu Pro Cys Pro Ala
85 90 95

Glu His Leu Ile Phe Ser Lys Cys Leu Ser Ser Cys Ala Thr Trp Ala
100 105 110

His Cys Phe Leu Gly Leu Ser Cys Cys Trp Cys Leu His Pro His Pro
115 120 125

His Pro Ser Trp Pro Ala Pro Phe Leu Ser Arg Trp Ala His Val
130 135 140

<210> 1184
<211> 13
<212> PRT
<213> Homo sapiens

<400> 1184
Met Gly Gln Gly Ala Cys Lys Asn Met Ser Val Gly Ser
1 5 10

<210> 1185
<211> 102
<212> PRT
<213> Homo sapiens

<400> 1185
Asn Ser Glu Lys Gly Gln Lys Lys Gln Arg Gly Pro Arg Trp Ile Cys
1 5 10 15

Gln Leu Phe Cys Arg Cys Phe Leu Pro Leu Leu Trp Val Val Cys Ser
20 25 30

Pro Leu Gln Thr Ser Ala Arg Arg Glu Gly Leu Asn Leu Pro Ala Pro
35 40 45

Gln Asp Leu Leu Pro Ser Gly Pro Ser Pro Ala Leu Arg Ser Leu Pro
50 55 60

Asp Arg Arg Val Asp Arg Ala Thr Trp Ala Ala Arg Glu Thr His Gly
65 70 75 80

Gly Pro Pro Cys Gly Gln Pro Cys Gln Leu Pro Pro Ser Pro Glu Leu
85 90 95

His Leu His Leu Glu Glu
100

<210> 1186
<211> 259
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (62)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1186

Ala	Gly	Ala	Trp	Val	Ser	Leu	Gly	Pro	Cys	Leu	Phe	Pro	Ala	Pro	Ala	
1				5				10					15			
Asp	Ser	Glu	Gln	Arg	Pro	Trp	Val	Arg	Arg	Val	Gly	Val	Gly	Pro	Leu	
			20					25					30			
Pro	Ala	Glu	Pro	Gly	Gln	Gly	Glu	Leu	Gln	Glu	Ser	Pro	Leu	Cys	Pro	
		35					40					45				
Cys	Ser	Trp	Asn	Val	Pro	Gln	Arg	Pro	His	Leu	Lys	Gly	Xaa	Cys	Ala	
	50					55					60					
Gly	Gly	Val	Ala	Gln	Ser	His	Thr	Ala	Ser	Thr	Leu	Ser	Ser	Gly	Thr	
65					70					75					80	
Gly	Asp	Ser	Gly	Cys	Ser	Gly	Lys	Gly	Leu	Leu	Asp	Val	Thr	Tyr	Asn	
			85						90						95	
Ser	Val	Arg	Leu	Glu	Thr	Asp	Ala	Gly	Gly	Gly	Arg	Ala	Gly	Pro	Pro	
			100					105					110			
Gly	Ile	Thr	Asp	His	Arg	Lys	Met	Gly	Gly	Gly	Ser	Arg	Gly	Pro	Ala	
	115						120					125				
Pro	Thr	Pro	Ser	Cys	Leu	Thr	Leu	Leu	Ser	Cys	Pro	His	Pro	Cys	Ala	
	130					135					140					
Phe	Val	Pro	Glu	Thr	Arg	Val	Ala	Thr	Gln	Ala	Gly	Pro	Gly	Ser	Ser	
145					150					155					160	
Leu	Ile	Leu	Pro	Leu	Pro	Ser	Glu	Pro	Cys	Ser	Ser	Leu	Pro	Ser	Pro	
			165						170					175		
Leu	Pro	Pro	Leu	Pro	Arg	Arg	Val	Thr	Ser	Asp	Arg	Ala	Pro	Leu	Ala	
			180					185					190			
Ile	Gln	Gly	Gly	Ser	Arg	Gly	Leu	Asp	Arg	Arg	Ala	Arg	Arg	Leu	Pro	
	195						200					205				
Ala	Val	Ala	Gly	Ala	Ser	Cys	Pro	Cys	Arg	Val	Gly	Glu	Leu	Ser	Gly	
	210					215					220					
Arg	Glu	Pro	Tyr	Leu	Pro	Ser	Ala	Lys	Thr	Val	Lys	Val	Tyr	Arg	Leu	
225					230					235					240	
Phe	Thr	Asp	Phe	Tyr	Leu	Asn	Cys	Lys	Ser	Ala	Asp	Phe	Val	Asn	Val	
			245						250					255		
Leu	Gly	Val														

<210> 1187

<211> 119
<212> PRT
<213> Homo sapiens

<400> 1187

Met	Gly	Gln	Gly	Ala	Cys	Gln	Lys	Tyr	Val	Cys	Trp	Phe	Leu	Asn	Val
1				5					10					15	
Val	Cys	Pro	Cys	Pro	Pro	Gly	Ser	Gly	Arg	Val	His	Val	Ser	Pro	His
			20					25					30		
Thr	Cys	Ala	Arg	Glu	Gly	Ala	Ser	Trp	Arg	Gly	Asp	Ser	Arg	Ala	Arg
			35					40					45		
Gly	Leu	His	Leu	Trp	Leu	Pro	Leu	Ala	Ser	Leu	Gly	Gly	Pro	Gly	Leu
		50				55					60				
Pro	Gly	Ser	Gln	Ala	Leu	Ser	Cys	Gly	Thr	Trp	His	Leu	Ala	Asp	Gln
	65				70					75					80
Leu	Ala	Gly	Arg	Lys	Ile	Gly	Gly	His	Arg	Ala	Gly	Gly	Gln	Cys	Pro
				85					90					95	
Leu	Pro	Val	Ser	Ile	Arg	Ser	Thr	Cys	His	Cys	Met	Gln	Pro	Val	Gly
			100					105					110		
Thr	Phe	Leu	Ala	Val	Arg	Asn									
				115											

<210> 1188
<211> 177
<212> PRT
<213> Homo sapiens

<400> 1188

Met	Arg	Gly	Ser	Val	Glu	Cys	Thr	Trp	Gly	Trp	Gly	His	Cys	Ala	Pro
1				5					10					15	
Ser	Pro	Leu	Leu	Leu	Trp	Thr	Leu	Leu	Leu	Phe	Ala	Ala	Pro	Phe	Gly
			20					25					30		
Leu	Leu	Gly	Glu	Lys	Thr	Arg	Gln	Val	Ser	Leu	Glu	Val	Ile	Pro	Asn
		35					40					45			
Trp	Leu	Gly	Pro	Leu	Gln	Asn	Leu	Leu	His	Ile	Arg	Ala	Val	Gly	Thr
		50				55					60				
Asn	Ser	Thr	Leu	His	Tyr	Val	Trp	Ser	Ser	Leu	Gly	Pro	Leu	Ala	Val
	65				70					75					80
Val	Met	Val	Ala	Thr	Asn	Thr	Pro	His	Ser	Thr	Leu	Ser	Val	Asn	Trp
				85					90					95	
Ser	Leu	Leu	Leu	Ser	Pro	Glu	Pro	Asp	Gly	Gly	Leu	Met	Val	Leu	Pro
			100					105					110		

Lys Asp Ser Ile Gln Phe Ser Ser Ala Leu Val Phe Thr Arg Leu Leu
115 120 125

Glu Phe Asp Ser Thr Asn Val Ser Asp Thr Ala Ala Lys Pro Leu Gly
130 135 140

Arg Pro Tyr Pro Pro Tyr Ser Leu Ala Asp Phe Ser Trp Asn Asn Ile
145 150 155 160

Thr Asp Ser Leu Asp Pro Ala Thr Leu Ser Ala Thr Phe Gln Gly Thr
165 170 175

Pro

<210> 1189

<211> 330

<212> PRT

<213> Homo sapiens

<400> 1189

Arg Pro Thr Arg Pro Leu Asn Cys Gly Arg Met Arg Gly Ser Val Glu
1 5 10 15

Cys Thr Trp Gly Trp Gly His Cys Ala Pro Ser Pro Leu Leu Leu Trp
20 25 30

Thr Leu Leu Leu Phe Ala Ala Pro Phe Gly Leu Leu Gly Glu Lys Thr
35 40 45

Arg Gln Leu Leu Glu Phe Asp Ser Thr Asn Val Ser Asp Thr Ala Ala
50 55 60

Lys Pro Leu Gly Arg Pro Tyr Pro Pro Tyr Ser Leu Ala Asp Phe Ser
65 70 75 80

Trp Asn Asn Ile Thr Asp Ser Leu Asp Pro Ala Thr Leu Ser Ala Thr
85 90 95

Phe Gln Gly His Pro Met Asn Asp Pro Thr Arg Thr Phe Ala Asn Gly
100 105 110

Ser Leu Ala Phe Arg Val Gln Ala Phe Ser Arg Ser Ser Arg Pro Ala
115 120 125

Gln Pro Pro Arg Leu Leu His Thr Ala Asp Thr Cys Gln Leu Glu Val
130 135 140

Ala Leu Ile Gly Ala Ser Pro Arg Gly Asn Arg Ser Leu Phe Gly Leu
145 150 155 160

Glu Val Ala Thr Leu Gly Gln Gly Pro Asp Cys Pro Ser Met Gln Glu
165 170 175

Gln His Ser Ile Asp Asp Glu Tyr Ala Pro Ala Val Phe Gln Leu Asp
 180 185 190
 Gln Leu Leu Trp Gly Ser Leu Pro Ser Gly Phe Ala Gln Trp Arg Pro
 195 200 205
 Val Ala Tyr Ser Gln Lys Pro Gly Gly Arg Glu Ser Ala Leu Pro Cys
 210 215 220
 Gln Ala Ser Pro Leu His Pro Ala Leu Ala Tyr Ser Leu Pro Gln Ser
 225 230 235 240
 Pro Ile Val Arg Ala Phe Phe Gly Ser Gln Asn Asn Phe Cys Ala Phe
 245 250 255
 Asn Leu Thr Phe Gly Ala Ser Thr Gly Pro Gly Tyr Trp Asp Gln His
 260 265 270
 Tyr Leu Ser Trp Ser Met Leu Leu Gly Val Gly Phe Pro Pro Val Asp
 275 280 285
 Gly Leu Ser Pro Leu Val Leu Gly Ile Met Ala Val Ala Leu Gly Ala
 290 295 300
 Pro Gly Leu Met Leu Leu Gly Gly Gly Leu Val Leu Leu Leu His His
 305 310 315 320
 Lys Lys Tyr Ser Glu Tyr Gln Ser Ile Asn
 325 330

<210> 1190
 <211> 95
 <212> PRT
 <213> Homo sapiens

<400> 1190
 Met Ala Ala Ser Arg Trp Ala Arg Lys Ala Val Val Leu Leu Cys Ala
 1 5 10 15
 Ser Asp Leu Leu Leu Leu Leu Leu Leu Leu Pro Pro Pro Gly Ser Cys
 20 25 30
 Ala Ala Glu Ala Arg Pro Gly Arg Pro Thr Ser Leu Pro His Leu Pro
 35 40 45
 Gly Arg Arg Arg Arg Ile Phe Ala Ile Thr Met Met Gln Thr Trp Arg
 50 55 60
 Val Phe Trp Ser Asn Gly Arg Lys Met Met Thr Leu Lys Lys Glu Ile
 65 70 75 80
 Phe Gln Ser Thr Arg Asp Leu Gln His Leu Ser Thr Ser Gln Arg
 85 90 95

<210> 1191
<211> 234
<212> PRT
<213> Homo sapiens

<400> 1191
Met Ala Ala Ser Arg Trp Ala Arg Lys Ala Val Val Leu Leu Cys Ala
1 5 10 15
Ser Asp Leu Leu Leu Leu Leu Leu Leu Leu Pro Pro Pro Gly Ser Cys
20 25 30
Ala Ala Glu Gly Ser Pro Gly Thr Pro Asp Glu Ser Thr Pro Pro Pro
35 40 45
Arg Lys Lys Lys Lys Asp Ile Arg Asp Tyr Asn Asp Ala Asp Met Ala
50 55 60
Arg Leu Leu Glu Gln Trp Glu Lys Asp Asp Asp Ile Glu Glu Gly Asp
65 70 75 80
Leu Pro Glu His Lys Arg Pro Ser Ala Pro Val Asp Phe Ser Lys Ile
85 90 95
Asp Pro Ser Lys Pro Glu Ser Ile Leu Lys Met Thr Lys Lys Gly Lys
100 105 110
Thr Leu Met Met Phe Val Thr Val Ser Gly Ser Pro Thr Glu Lys Glu
115 120 125
Thr Glu Glu Ile Thr Ser Leu Trp Gln Gly Ser Leu Phe Asn Ala Asn
130 135 140
Tyr Asp Val Gln Arg Phe Ile Val Gly Ser Asp Arg Ala Ile Phe Met
145 150 155 160
Leu Arg Asp Gly Ser Tyr Ala Trp Glu Ile Lys Asp Phe Leu Val Gly
165 170 175
Gln Asp Arg Cys Ala Asp Val Thr Leu Glu Gly Gln Val Tyr Pro Gly
180 185 190
Lys Gly Gly Gly Ser Lys Glu Lys Asn Lys Thr Lys Gln Asp Lys Gly
195 200 205
Lys Lys Lys Lys Glu Gly Asp Leu Lys Ser Arg Ser Ser Lys Glu Glu
210 215 220
Asn Arg Ala Gly Asn Lys Arg Glu Asp Leu
225 230

<210> 1192
<211> 108
<212> PRT

<213> Homo sapiens

<400> 1192

```
Met Arg Ala Leu Ser Gly Gly Glu Arg Ser Phe Ser Thr Val Cys Phe
 1           5           10           15

Ile Leu Ser Leu Trp Ser Ile Ala Glu Ser Pro Phe Arg Cys Leu Asp
          20           25           30

Glu Phe Asp Val Tyr Met Asp Met Val Asn Arg Arg Ile Ala Met Asp
          35           40           45

Leu Ile Leu Lys Met Ala Asp Ser Gln Arg Phe Arg Gln Phe Ile Leu
          50           55           60

Leu Thr Pro Gln Ser Met Ser Ser Leu Pro Ser Ser Lys Leu Ile Arg
          65           70           75           80

Ile Leu Arg Met Ser Asp Pro Glu Arg Gly Gln Thr Thr Leu Pro Phe
          85           90           95

Arg Pro Val Thr Gln Glu Glu Asp Asp Asp Gln Arg
          100           105
```

<210> 1193

<211> 108

<212> PRT

<213> Homo sapiens

<400> 1193

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Met Arg Ala Leu Ser Gly Gly Glu Arg Ser Phe Ser Thr Val Cys Phe
 1           5           10           15

Ile Leu Ser Leu Trp Ser Ile Ala Glu Ser Pro Phe Arg Cys Leu Asp
          20           25           30

Glu Phe Asp Val Tyr Met Asp Met Val Asn Arg Arg Ile Ala Met Asp
          35           40           45

Leu Ile Leu Lys Met Ala Asp Ser Gln Arg Phe Arg Gln Phe Ile Leu
          50           55           60

Leu Thr Pro Gln Ser Met Ser Ser Leu Pro Ser Ser Lys Leu Ile Arg
          65           70           75           80

Ile Leu Arg Met Ser Asp Pro Glu Arg Gly Gln Thr Thr Leu Pro Phe
          85           90           95

Arg Pro Val Thr Gln Glu Glu Asp Asp Asp Gln Arg
          100           105
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<210> 1194

<211> 147

<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1194
Arg Leu Leu His Phe Asn Cys His Ser Gly Phe Leu Thr Gln Ser Pro
1 5 10 15
Tyr Cys Arg Gln Ala Arg His Arg Xaa Leu His Gln Gly Xaa Xaa Pro
20 25 30
Ala Ala Ala Arg Leu Trp Cys Asp Cys Gln Arg Pro Ala Pro Arg Val
35 40 45
Ala Arg Thr Glu Leu Gly Arg His Thr Gly Ile His Gly Ser Thr Phe
50 55 60
Ser Ser Thr Thr Leu Gly Pro Ile Phe Trp Leu Leu Val Lys Ser Pro
65 70 75 80
Glu Leu Ala Ala Gln Pro Ser Thr Tyr Leu Ala Val Ala Glu Glu Leu
85 90 95
Ala Asp Val Ser Gly Lys Tyr Phe Asp Gly Leu Lys Gln Lys Ala Pro
100 105 110
Ala Pro Glu Ala Glu Asp Glu Glu Val Ala Arg Arg Leu Trp Ala Glu
115 120 125
Ser Ala Arg Leu Val Gly Leu Glu Ala Pro Ser Val Arg Glu Gln Pro
130 135 140
Leu Pro Arg
145

<210> 1195
<211> 240
<212> PRT
<213> Homo sapiens

<400> 1195

<222> (142)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (160)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (162)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1196
Met Ala Val Ala Arg Leu Ala Ala Val Ala Ala Trp Val Pro Cys Arg
1 5 10 15
Ser Trp Gly Trp Ala Ala Val Pro Phe Gly Pro His Arg Gly Leu Ser
20 25 30
Val Leu Leu Ala Arg Ile Pro Gln Arg Ala Pro Arg Trp Leu Pro Ala
35 40 45
Cys Arg Gln Lys Thr Ser Leu Ser Phe Leu Asn Arg Pro Asp Leu Pro
50 55 60
Asn Leu Ala Tyr Lys Lys Leu Lys Gly Lys Ser Pro Gly Ile Ile Phe
65 70 75 80
Ile Pro Gly Tyr Leu Ser Tyr Met Asn Gly Thr Lys Ala Leu Ala Ile
85 90 95
Glu Glu Phe Cys Lys Ser Leu Gly His Ala Cys Ile Arg Phe Asp Tyr
100 105 110
Ser Gly Val Gly Ser Ser Asp Gly Asn Ser Glu Glu Ser Thr Leu Gly
115 120 125
Lys Trp Arg Lys Asp Val Leu Ser Ile Ile Asp Asp Leu Xaa Asp Gly
130 135 140
Pro Gln Ile Leu Val Gly Ser Ser Leu Gly Gly Trp Leu Met Leu Xaa
145 150 155 160
Ala Xaa Asn Cys Thr Thr Arg Glu Gly Leu Ala Leu Ile Gly
165 170

<210> 1197
<211> 160
<212> PRT
<213> Homo sapiens

<400> 1197
Ile Leu Val Gly Ser Ser Leu Gly Gly Trp Leu Met Leu His Ala Ala
1 5 10 15

Ile Ala Arg Pro Glu Lys Val Val Ala Leu Ile Gly Val Ala Thr Ala
 20 25 30
 Ala Asp Thr Leu Val Thr Lys Phe Asn Gln Leu Pro Val Glu Leu Lys
 35 40 45
 Lys Glu Val Glu Met Lys Gly Val Trp Ser Met Pro Ser Lys Tyr Ser
 50 55 60
 Glu Glu Gly Val Tyr Asn Val Gln Tyr Ser Phe Ile Lys Glu Ala Glu
 65 70 75 80
 His His Cys Leu Leu His Ser Pro Ile Pro Val Asn Cys Pro Ile Arg
 85 90 95
 Leu Leu His Gly Met Lys Asp Asp Ile Val Pro Trp His Thr Ser Met
 100 105 110
 Gln Val Ala Asp Arg Val Leu Ser Thr Asp Val Asp Val Ile Leu Arg
 115 120 125
 Lys His Ser Asp His Arg Met Arg Glu Lys Ala Asp Ile Gln Leu Leu
 130 135 140
 Val Tyr Thr Ile Asp Asp Leu Ile Asp Lys Leu Ser Thr Ile Val Asn
 145 150 155 160

<210> 1198
 <211> 306
 <212> PRT
 <213> Homo sapiens

<400> 1198
 Met Ala Val Ala Arg Leu Ala Ala Val Ala Ala Trp Val Pro Cys Arg
 1 5 10 15
 Ser Trp Gly Trp Ala Ala Val Pro Phe Gly Pro His Arg Gly Leu Ser
 20 25 30
 Val Leu Leu Ala Arg Ile Pro Gln Arg Ala Pro Arg Trp Leu Pro Ala
 35 40 45
 Cys Arg Gln Lys Thr Ser Leu Ser Phe Leu Asn Arg Pro Asp Leu Pro
 50 55 60
 Asn Leu Ala Tyr Lys Lys Leu Lys Gly Lys Ser Pro Gly Ile Ile Phe
 65 70 75 80
 Ile Pro Gly Tyr Leu Ser Tyr Met Asn Gly Thr Lys Ala Leu Ala Ile
 85 90 95

Glu Glu Phe Cys Lys Ser Leu Gly His Ala Cys Ile Arg Phe Asp Tyr
 100 105 110
 Ser Gly Val Gly Ser Ser Asp Gly Asn Ser Glu Glu Ser Thr Leu Gly
 115 120 125
 Lys Trp Arg Lys Asp Val Leu Ser Ile Ile Asp Asp Leu Ala Asp Gly
 130 135 140
 Pro Gln Ile Leu Val Gly Ser Ser Leu Gly Gly Trp Leu Met Leu His
 145 150 155 160
 Ala Ala Ile Ala Arg Pro Glu Lys Val Val Ala Leu Ile Gly Val Ala
 165 170 175
 Thr Ala Ala Asp Thr Leu Val Thr Lys Phe Asn Gln Leu Pro Val Glu
 180 185 190
 Leu Lys Lys Glu Val Glu Met Lys Gly Val Trp Ser Met Pro Ser Lys
 195 200 205
 Tyr Ser Glu Glu Gly Val Tyr Asn Val Gln Tyr Ser Phe Ile Lys Glu
 210 215 220
 Ala Glu His His Cys Leu Leu His Ser Pro Ile Pro Val Asn Cys Pro
 225 230 235 240
 Ile Arg Leu Leu His Gly Met Lys Asp Asp Ile Val Pro Trp His Thr
 245 250 255
 Ser Met Gln Val Ala Asp Arg Val Leu Ser Thr Asp Val Asp Val Ile
 260 265 270
 Leu Arg Lys His Ser Asp His Arg Met Arg Glu Lys Ala Asp Ile Gln
 275 280 285
 Leu Leu Val Tyr Thr Ile Asp Asp Leu Ile Asp Lys Leu Ser Thr Ile
 290 295 300
 Val Asn
 305

<210> 1199
 <211> 205
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (40)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (189)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1199

Met	Gly	Ser	Trp	Ala	Leu	Leu	Trp	Pro	Pro	Leu	Leu	Phe	Thr	Gly	Leu	
1				5				10						15		
Leu	Val	Arg	Pro	Pro	Gly	Thr	Met	Ala	Gln	Ala	Gln	Tyr	Cys	Ser	Val	
			20					25					30			
Asn	Lys	Asp	Ile	Phe	Glu	Val	Xaa	Glu	Asn	Thr	Asn	Val	Thr	Glu	Pro	
		35					40					45				
Leu	Val	Asp	Ile	His	Val	Pro	Glu	Gly	Gln	Glu	Val	Thr	Leu	Gly	Ala	
	50					55					60					
Leu	Ser	Thr	Pro	Phe	Ala	Phe	Arg	Ile	Gln	Gly	Asn	Gln	Leu	Phe	Leu	
65					70					75					80	
Asn	Val	Thr	Pro	Asp	Tyr	Glu	Glu	Lys	Ser	Leu	Leu	Glu	Ala	Gln	Leu	
				85				90						95		
Leu	Cys	Gln	Ser	Gly	Gly	Thr	Leu	Val	Thr	Gln	Leu	Arg	Val	Phe	Val	
		100					105						110			
Ser	Val	Leu	Asp	Val	Asn	Asp	Asn	Ala	Pro	Glu	Phe	Pro	Phe	Lys	Thr	
	115						120					125				
Lys	Glu	Ile	Arg	Val	Glu	Glu	Asp	Thr	Lys	Val	Asn	Ser	Thr	Val	Ile	
	130					135					140					
Pro	Glu	Thr	Gln	Leu	Gln	Ala	Glu	Asp	Arg	Asp	Lys	Asp	Asp	Ile	Leu	
145					150				155						160	
Val	Tyr	Thr	Leu	Gln	Glu	Met	Thr	Ala	Gly	Ala	Ser	Gly	Leu	Leu	Leu	
			165					170					175			
Leu	Val	Ser	Val	Asn	Arg	Pro	Pro	Glu	Leu	Asp	Arg	Xaa	Leu	Thr	Ser	
		180						185					190			
Thr	Ser	Gly	Glu	His	Asp	Leu	Leu	Leu	Ala	Gly	Ala	Asp				
	195					200						205				

<210> 1200

<211> 124

<212> PRT

<213> Homo sapiens

<400> 1200

Pro	Gln	Gly	Gln	Leu	Gly	Ala	Arg	Pro	Gln	Pro	His	Ala	Arg	Pro	Gln	
1				5				10					15			
Ala	Arg	Gly	Gly	Thr	Asp	Ala	Arg	Arg	Ala	Arg	Thr	Pro	Arg	Pro	Cys	
		20					25					30				
Leu	Pro	Arg	Arg	Cys	Pro	Glu	Pro	Pro	Ala	Ala	Ala	Arg	Ala	Gly	Gly	

35	40	45
Ser Pro Thr Ala Val Arg	Ser Ile Leu Thr Lys Glu Arg Arg Pro Glu	
50	55	60
Gly Gly Tyr Lys Ala Val Trp Phe Gly Glu Asp Ile Gly Thr Glu Ala		
65	70	75
Asp Val Val Val Leu Asn Ala Pro Thr Leu Asp Val Asp Gly Ala Ser		
85	90	95
Asp Ser Gly Ser Gly Asp Glu Gly Glu Gly Ala Gly Arg Gly Gly Gly		
100	105	110
Pro Tyr Asp Ala Pro Gly Gly Asp Asp Ser Tyr Ile		
115	120	

<210> 1201

<211> 447

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (260)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1201

Phe Pro Ala Gly Ala Ala Ser Thr Val Leu Ala His Asn Lys Met Leu		
1	5	10
Lys Val Ser Ala Val Leu Cys Val Cys Ala Ala Ala Trp Cys Ser Gln		
20	25	30
Ser Leu Ala Ala Ala Ala Val Ala Ala Ala Gly Gly Arg Ser Asp		
35	40	45
Gly Gly Asn Phe Leu Asp Asp Lys Gln Trp Leu Thr Thr Ile Ser Gln		
50	55	60
Tyr Asp Lys Glu Val Gly Gln Trp Asn Lys Phe Arg Asp Asp Asp Tyr		
65	70	75
Phe Arg Thr Trp Ser Pro Gly Lys Pro Phe Asp Gln Ala Leu Asp Pro		
85	90	95
Ala Lys Asp Pro Cys Leu Lys Met Lys Cys Ser Arg His Lys Val Cys		
100	105	110
Ile Ala Gln Asp Ser Gln Thr Ala Val Cys Ile Ser His Arg Arg Leu		
115	120	125
Thr His Arg Met Lys Glu Ala Gly Val Asp His Arg Gln Trp Arg Gly		
130	135	140

Pro	Ile	Leu	Ser	Thr	Cys	Lys	Gln	Cys	Pro	Val	Val	Tyr	Pro	Ser	Pro	
145					150					155					160	
Val	Cys	Gly	Ser	Asp	Gly	His	Thr	Tyr	Ser	Phe	Gln	Cys	Lys	Leu	Glu	
				165					170					175		
Tyr	Gln	Ala	Cys	Val	Leu	Gly	Lys	Gln	Ile	Ser	Val	Lys	Cys	Glu	Gly	
			180					185					190			
His	Cys	Pro	Cys	Pro	Ser	Asp	Lys	Pro	Thr	Ser	Thr	Ser	Arg	Asn	Val	
		195					200					205				
Lys	Arg	Ala	Cys	Ser	Asp	Leu	Glu	Phe	Arg	Glu	Val	Ala	Asn	Arg	Leu	
	210					215					220					
Arg	Asp	Trp	Phe	Lys	Ala	Leu	His	Glu	Ser	Gly	Ser	Gln	Asn	Lys	Lys	
225					230					235					240	
Thr	Lys	Thr	Leu	Leu	Arg	Pro	Glu	Arg	Ser	Arg	Phe	Asp	Thr	Ser	Ile	
			245						250					255		
Leu	Pro	Ile	Xaa	Lys	Asp	Ser	Leu	Gly	Trp	Met	Phe	Asn	Arg	Leu	Asp	
		260						265					270			
Thr	Asn	Tyr	Asp	Leu	Leu	Leu	Asp	Gln	Ser	Glu	Leu	Arg	Ser	Ile	Tyr	
	275						280					285				
Leu	Asp	Lys	Asn	Glu	Gln	Cys	Thr	Lys	Ala	Phe	Phe	Asn	Ser	Cys	Asp	
	290					295					300					
Thr	Tyr	Lys	Asp	Ser	Leu	Ile	Ser	Asn	Asn	Glu	Trp	Cys	Tyr	Cys	Phe	
305					310					315					320	
Gln	Arg	Gln	Gln	Asp	Pro	Pro	Cys	Gln	Thr	Glu	Leu	Ser	Asn	Ile	Gln	
				325					330					335		
Lys	Arg	Gln	Gly	Val	Lys	Lys	Leu	Leu	Gly	Gln	Tyr	Ile	Pro	Leu	Cys	
		340					345						350			
Asp	Glu	Asp	Gly	Tyr	Tyr	Lys	Pro	Thr	Gln	Cys	His	Gly	Ser	Val	Gly	
	355						360					365				
Gln	Cys	Trp	Cys	Val	Asp	Arg	Tyr	Gly	Asn	Glu	Val	Met	Gly	Ser	Arg	
	370					375					380					
Ile	Asn	Gly	Val	Ala	Asp	Cys	Ala	Ile	Asp	Phe	Glu	Ile	Ser	Gly	Asp	
385					390					395					400	
Phe	Ala	Ser	Gly	Asp	Phe	His	Glu	Trp	Thr	Asp	Asp	Glu	Asp	Asp	Glu	
			405						410					415		
Asp	Asp	Ile	Met	Asn	Asp	Glu	Asp	Glu	Ile	Glu	Asp	Asp	Asp	Glu	Asp	
		420						425					430			
Glu	Gly	Asp	Asp	Asp	Asp	Gly	Gly	Asp	Asp	His	Asp	Val	Tyr	Ile		
	435						440					445				

<210> 1202
<211> 551
<212> PRT
<213> Homo sapiens

<400> 1202

Met	Gly	Ser	Trp	Ala	Leu	Leu	Trp	Pro	Pro	Leu	Leu	Phe	Thr	Gly	Leu	
1				5				10						15		
Leu	Val	Arg	Pro	Pro	Gly	Thr	Met	Ala	Gln	Ala	Gln	Tyr	Cys	Ser	Val	
			20					25					30			
Asn	Lys	Asp	Ile	Phe	Glu	Val	Glu	Glu	Asn	Thr	Asn	Val	Thr	Glu	Pro	
		35					40					45				
Leu	Val	Asp	Ile	His	Val	Pro	Glu	Gly	Gln	Glu	Val	Thr	Leu	Gly	Ala	
	50					55					60					
Leu	Ser	Thr	Pro	Phe	Ala	Phe	Arg	Ile	Gln	Gly	Asn	Gln	Leu	Phe	Leu	
65				70					75						80	
Asn	Val	Thr	Pro	Asp	Tyr	Glu	Glu	Lys	Ser	Leu	Leu	Glu	Ala	Gln	Leu	
				85					90						95	
Leu	Cys	Gln	Ser	Gly	Gly	Thr	Leu	Val	Thr	Gln	Leu	Arg	Val	Phe	Val	
			100					105					110			
Ser	Val	Leu	Asp	Val	Asn	Asp	Asn	Ala	Pro	Glu	Phe	Pro	Phe	Lys	Thr	
		115					120					125				
Lys	Glu	Ile	Arg	Val	Glu	Glu	Asp	Thr	Lys	Val	Asn	Ser	Thr	Val	Ile	
	130					135					140					
Pro	Glu	Thr	Gln	Leu	Gln	Ala	Glu	Asp	Arg	Asp	Lys	Asp	Asp	Ile	Leu	
145				150						155					160	
Phe	Tyr	Thr	Leu	Gln	Glu	Met	Thr	Ala	Gly	Ala	Ser	Asp	Tyr	Phe	Ser	
			165						170					175		
Leu	Val	Ser	Val	Asn	Arg	Pro	Ala	Leu	Arg	Leu	Asp	Arg	Pro	Leu	Asp	
			180					185					190			
Phe	Tyr	Glu	Arg	Pro	Asn	Met	Thr	Phe	Trp	Leu	Leu	Val	Arg	Asp	Thr	
	195						200					205				
Pro	Gly	Glu	Asn	Val	Glu	Pro	Ser	His	Thr	Ala	Thr	Ala	Thr	Leu	Val	
	210					215					220					
Leu	Asn	Val	Val	Pro	Ala	Asp	Leu	Arg	Pro	Pro	Trp	Phe	Leu	Pro	Cys	
225				230						235					240	
Thr	Phe	Ser	Asp	Gly	Tyr	Val	Cys	Ile	Gln	Ala	Gln	Tyr	His	Gly	Ala	
			245						250					255		
Val	Pro	Thr	Gly	His	Ile	Leu	Pro	Ser	Pro	Leu	Val	Leu	Arg	Pro	Gly	

260					265					270						
Pro	Ile	Tyr	Ala	Glu	Asp	Gly	Asp	Arg	Gly	Ile	Asn	Gln	Pro	Ile	Ile	
275					280					285						
Tyr	Ser	Ile	Phe	Arg	Gly	Asn	Val	Asn	Gly	Thr	Phe	Ile	Ile	His	Pro	
290					295					300						
Asp	Ser	Gly	Asn	Leu	Thr	Val	Ala	Arg	Ser	Val	Pro	Ser	Pro	Met	Thr	
305					310					315					320	
Phe	Leu	Leu	Leu	Val	Lys	Gly	Gln	Gln	Ala	Asp	Leu	Ala	Arg	Tyr	Ser	
325					330					335						
Val	Thr	Gln	Val	Thr	Val	Glu	Ala	Val	Ala	Ala	Ala	Gly	Ser	Pro	Pro	
340					345					350						
Arg	Phe	Pro	Gln	Ser	Leu	Tyr	Arg	Gly	Thr	Val	Ala	Arg	Gly	Ala	Gly	
355					360					365						
Ala	Gly	Val	Val	Val	Lys	Asp	Ala	Ala	Ala	Pro	Ser	Gln	Pro	Leu	Arg	
370					375					380						
Ile	Gln	Ala	Gln	Asp	Pro	Glu	Phe	Ser	Asp	Leu	Asn	Ser	Ala	Ile	Thr	
385					390					395					400	
Tyr	Arg	Ile	Thr	Asn	His	Ser	His	Phe	Arg	Met	Glu	Gly	Glu	Val	Val	
405					410					415						
Leu	Thr	Thr	Thr	Thr	Leu	Ala	Gln	Ala	Gly	Ala	Phe	Tyr	Ala	Glu	Val	
420					425					430						
Ala	Ala	Pro	Arg	Arg	Thr	Ser	Ala	Ser	Arg	Trp	Trp	Ile	Trp	Arg	Pro	
435					440					445						
Trp	Ala	Gly	Cys	Trp	Val	Arg	Cys	Cys	Cys	Trp	Leu	Ser	Leu	Ala	Ser	
450					455					460						
Pro	Ser	Leu	Ser	Thr	Ser	Thr	Met	Ala	Pro	Gly	Ser	Ser	Ala	Ala	Leu	
465					470					475					480	
Ala	Lys	Leu	Arg	Ser	Pro	Ser	Pro	Lys	Ala	Leu	Thr	Thr	Arg	Arg	Ser	
485					490					495						
Ser	Leu	Thr	Thr	Arg	Pro	Thr	Gly	Arg	Pro	Ser	Pro	Ala	Pro	Arg	Thr	
500					505					510						
Thr	Pro	Ser	Pro	Arg	Arg	His	Arg	Cys	Pro	Gln	Ser	Pro	His	Pro	Pro	
515					520					525						
Ala	Leu	Pro	Pro	Gln	Ala	Val	Pro	Leu	Ser	Pro	Pro	Gln	Arg	Pro	Glu	
530					535					540						
Leu	Ala	Glu	Ala	Pro	Arg	Arg										
545					550											

<210> 1203
<211> 71
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (57)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1203
Phe Cys Lys Gly Gln Ala Ala Leu Ala Leu Ala Ala Cys Gly Val Leu
1 5 10 15
Leu Xaa Ser Gly Gly Pro Ala Ala Ala Trp Glu Ala Asp Pro Ala Gly
20 25 30
Arg Cys Gly Arg Val Pro Thr Ala Arg Gly Arg Ser Trp Arg Lys Pro
35 40 45
Leu Cys Gly Ala Phe Gln Pro Gly Xaa Ser Trp Pro Glu Ala Pro Arg
50 55 60
Arg Cys Arg Thr Ser Pro Cys
65 70

<210> 1204
<211> 52
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (49)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1204

Asn Ser Xaa Xaa Asp Pro Asp Asn Val Leu Trp Pro Gly Arg Trp Thr
1 5 10 15

Gln Phe Cys Cys Ile Lys Val Lys Xaa Asp Phe Gln Glu Glu Ala Ser
20 25 30

Val Gly Val Ser Xaa Gly Gly Tyr Arg Ile Gly Val Asp Glu Asn Gln
35 40 45

Xaa Lys Gly Cys
50

<210> 1205

<211> 138

<212> PRT

<213> Homo sapiens

<400> 1205

Val Phe Cys Lys Gly Gln Ala Ala Leu Ala Leu Ala Ala Cys Gly Val
1 5 10 15

Leu Leu Gly Ser Gly Gly Pro Ala Ala Ala Trp Glu Ala Asp Pro Arg
20 25 30

Gly Gln Val Trp Pro Cys Pro Asp Arg Ala Arg Thr Glu Val Gly Gly
35 40 45

Ser Pro Cys Ala Val Pro Ser Ser Pro Glu Glu Ala Gly Leu Lys Pro
50 55 60

Pro Gly Val Ala Glu Ala Ser Pro Cys Gln Arg Pro Lys Pro Arg Leu
65 70 75 80

Gly Phe Tyr Arg Cys Ser Phe Pro Ser Thr Trp Ser Pro Ser Thr Pro
85 90 95

Ser Ser Pro Asn Ser Gln Pro Pro Phe Phe Phe Phe Leu His Ala Ser
100 105 110

Lys Val Gln Gly Pro Gln Met Tyr Arg Ser Leu Met Tyr His Pro Ala
115 120 125

Arg Glu Pro Ala Asp Tyr Gln Ala Lys Lys
130 135

<210> 1206
<211> 193
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (140)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (142)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (147)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (155)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (162)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1206
Met Ala Gly Pro Thr Cys Arg Ser Leu Leu Leu Lys Cys Leu Ala
1 5 10 15
Glu Gly Arg Cys Leu Val Cys Pro Ser Pro Ser Val Val His Cys Leu
20 25 30
Val Ser Val Val Phe Gln Met Thr Ile Leu Arg Asp Leu Glu Lys Leu
35 40 45
Ala Gly Trp His Arg Ile Ala Ile Ile Phe Ile Leu Ser Gly Ile Thr
50 55 60
Gly Asn Leu Ala Ser Ala Ile Phe Leu Pro Tyr Arg Ala Glu Val Gly
65 70 75 80
Pro Ala Gly Ser Gln Phe Gly Leu Leu Ala Cys Ser Ser Trp Ser Ser
85 90 95
Ser Arg Ala Gly Arg Cys Trp Arg Gly Pro Gly Arg Pro Ser Ser Thr
100 105 110
Ser Arg Pro Ser Cys Ser Ser Trp Ser Ser Val Ala Ser Cys Pro Gly
115 120 125
Ser Thr His Arg Pro His Leu Arg Ala Ser Ser Xaa Ala Xaa Leu Leu
130 135 140

Ala Phe Xaa Phe Leu Pro Tyr Ile Thr Phe Xaa His Gln Ala Thr Ser
 145 150 155 160

Thr Xaa Ser Gly His Leu Ile Pro Gly Gly His Leu Ala Gly Pro Leu
 165 170 175

Ala Gly Pro Ser Leu Ala Arg Pro Phe Gly Ala Trp Gly Leu Gly Thr
 180 185 190

Phe

<210> 1207
 <211> 349
 <212> PRT
 <213> Homo sapiens

<400> 1207
 Gly Lys Leu Val Arg Leu Gln Val Pro Val Arg Asn Ser Arg Val Asp
 1 5 10 15

Pro Arg Val Arg Asp Asp Thr Gly Pro Pro Met Asp Lys Ser Asp Leu
 20 25 30

Gly Gln Lys Arg Thr Ser Gly Ala Val Cys His Gln Asp Pro Arg Thr
 35 40 45

Cys Glu Glu Pro Ala Ser Ser Gly Ala His Ile Trp Pro Asp Asp Ile
 50 55 60

Thr Lys Trp Pro Ile Cys Thr Glu Gln Ala Arg Ser Asn His Thr Gly
 65 70 75 80

Phe Leu His Val Asp Cys Glu Ile Lys Gly Arg Pro Cys Cys Ile Gly
 85 90 95

Thr Lys Gly Ser Cys Glu Ile Thr Thr Arg Glu Tyr Cys Glu Phe Met
 100 105 110

His Gly Tyr Phe His Glu Glu Ala Thr Leu Cys Ser Gln Val His Cys
 115 120 125

Leu Asp Lys Val Cys Gly Leu Leu Pro Phe Leu Asn Pro Glu Val Pro
 130 135 140

Asp Gln Phe Tyr Arg Leu Trp Leu Ser Leu Phe Leu His Ala Gly Val
 145 150 155 160

Val His Cys Leu Val Ser Val Val Phe Gln Met Thr Ile Leu Arg Asp
 165 170 175

Leu Glu Lys Leu Ala Gly Trp His Arg Ile Ala Ile Ile Phe Ile Leu
 180 185 190

Ser Gly Ile Thr Gly Asn Leu Ala Ser Ala Ile Phe Leu Pro Tyr Arg
 195 200 205
 Ala Glu Val Gly Pro Ala Gly Ser Gln Phe Gly Leu Leu Ala Cys Leu
 210 215 220
 Phe Val Glu Leu Phe Gln Ser Trp Pro Leu Leu Glu Arg Pro Trp Lys
 225 230 235 240
 Ala Phe Leu Asn Leu Ser Ala Ile Val Leu Phe Leu Phe Ile Cys Gly
 245 250 255
 Leu Leu Pro Trp Ile Asp Asn Ile Ala His Ile Phe Gly Phe Leu Ser
 260 265 270
 Gly Leu Leu Leu Ala Phe Ala Phe Leu Pro Tyr Ile Thr Phe Gly Thr
 275 280 285
 Ser Asp Lys Tyr Arg Lys Arg Ala Leu Ile Leu Val Ser Leu Leu Ala
 290 295 300
 Phe Ala Gly Leu Phe Ala Ala Leu Val Leu Trp Leu Tyr Ile Tyr Pro
 305 310 315 320
 Ile Asn Trp Pro Trp Ile Glu His Leu Thr Cys Phe Pro Phe Thr Ser
 325 330 335
 Arg Phe Cys Glu Lys Tyr Glu Leu Asp Gln Val Leu His
 340 345

<210> 1208
 <211> 217
 <212> PRT
 <213> Homo sapiens

<400> 1208
 Met Ala Gly Pro Thr Cys Arg Ser Leu Leu Leu Lys Cys Leu Ala
 1 5 10 15
 Glu Gly Arg Cys Leu Val Cys Pro Ser Pro Ser Val Val His Cys Leu
 20 25 30
 Val Ser Val Val Phe Gln Met Thr Ile Leu Arg Asp Leu Glu Lys Leu
 35 40 45
 Ala Gly Trp His Arg Ile Ala Ile Ile Phe Ile Leu Ser Gly Ile Thr
 50 55 60
 Gly Asn Leu Ala Ser Ala Ile Phe Leu Pro Tyr Arg Ala Glu Val Gly
 65 70 75 80
 Pro Ala Gly Ser Gln Phe Gly Leu Leu Ala Cys Leu Phe Val Glu Leu
 85 90 95
 Phe Gln Ser Trp Pro Leu Leu Glu Arg Pro Trp Lys Ala Phe Leu Asn

100	105	110
Leu Ser Ala Ile Val Leu Phe Leu Phe Ile Cys Gly Leu Leu Pro Trp 115	120	125
Ile Asp Asn Ile Ala His Ile Phe Gly Phe Leu Ser Gly Leu Leu Leu 130	135	140
Ala Phe Ala Phe Leu Pro Tyr Ile Thr Phe Gly Thr Ser Asp Lys Tyr 145	150	155
Arg Lys Arg Ala Leu Ile Leu Val Ser Leu Leu Ala Phe Ala Gly Leu 165	170	175
Phe Ala Ala Leu Val Leu Trp Leu Tyr Ile Tyr Pro Ile Asn Trp Pro 180	185	190
Trp Ile Glu His Leu Thr Cys Phe Pro Phe Thr Ser Arg Phe Cys Glu 195	200	205
Lys Tyr Glu Leu Asp Gln Val Leu His 210	215	

<210> 1209
 <211> 207
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (70)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (71)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
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 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
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 <222> (73)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (75)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE

<222> (81)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (89)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (97)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (194)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1209

Met	Tyr	Tyr	Ile	Ala	His	Leu	Leu	Lys	Gly	Ala	Leu	Leu	Phe	Ile	Thr
1				5					10					15	

Ile	Ala	Leu	Ile	Gly	Ser	Gly	Trp	Ala	Phe	Ile	Lys	Tyr	Val	Leu	Ser
			20					25					30		

Asp	Lys	Glu	Lys	Lys	Val	Phe	Gly	Ile	Val	Ile	Pro	Met	Gln	Val	Leu
		35					40					45			

Ala	Thr	Trp	Pro	Thr	Ser	Ser	Ser	Ser	Pro	Ala	Arg	Lys	Ala	Pro	Ala
	50					55					60				

Thr	Thr	Cys	Cys	Gly	Xaa	Xaa	Xaa	Xaa	Pro	Xaa	Gly	Pro	His	Leu	Leu
65					70					75					80

Xaa	Cys	His	Pro	Val	Pro	Val	Val	Xaa	Xaa	His	Pro	Ala	Ser	Xaa	Gly
				85					90						95

Xaa	Val	Xaa	Pro	Gln	Asp	Gly	Lys	Xaa	Ala	Ser	Glu	Pro	Gly	Gln	Ser
			100					105					110		

Leu	Lys	Leu	Val	Pro	Gly	Ile	Tyr	Tyr	Val	Met	Gly	His	Leu	Xaa	Arg
	115						120					125			

Leu	Leu	Ser	Pro	Gly	Ser	Ile	Gly	His	Pro	Ala	Cys	Xaa	Val	Ala	Trp
	130					135					140				

Cys	Pro	Phe	Ser	Ser	Gly	Lys	Trp	Ala	Cys	Thr	Gln	Ala	Ser	Trp	Val
145					150					155					160

Gly	Arg	Ala	Ser	Thr	Leu	Gly	Pro	Xaa	Phe	Gly	Ala	Tyr	Arg	Ala	Tyr
				165					170					175	

Lys	Xaa	Ser	Gly	Pro	Gln	Gly	Asn	Lys	Pro	Xaa	Thr	Leu	Asn	Leu	Pro
			180					185					190		

Lys	Xaa	Gly	Gln	Gly	Gly	Met	Val	Lys	Met	Glu	Gln	Val	Met	Asp	
		195					200					205			

<210> 1210

<211> 553

<212> PRT

<213> Homo sapiens

<400> 1210

Val	Asp	Pro	Arg	Val	Arg	Val	Ala	Pro	Glu	Met	Ala	Val	Ser	Glu	Arg
1				5					10					15	

Arg Gly Leu Gly Arg Gly Ser Pro Ala Glu Trp Gly Gln Arg Leu Leu
 20 25 30
 Leu Val Leu Leu Leu Gly Gly Cys Ser Gly Arg Ile His Arg Leu Ala
 35 40 45
 Leu Thr Gly Glu Lys Arg Ala Asp Ile Gln Leu Asn Ser Phe Gly Phe
 50 55 60
 Tyr Thr Asn Gly Ser Leu Glu Val Glu Leu Ser Val Leu Arg Leu Gly
 65 70 75 80
 Leu Arg Glu Ala Glu Glu Lys Ser Leu Leu Val Gly Phe Ser Leu Ser
 85 90 95
 Arg Val Arg Ser Gly Arg Val Arg Ser Tyr Ser Thr Arg Asp Phe Gln
 100 105 110
 Asp Cys Pro Leu Gln Lys Asn Ser Ser Ser Phe Leu Val Leu Phe Leu
 115 120 125
 Ile Asn Thr Lys Asp Leu Gln Val Gln Val Arg Lys Tyr Gly Glu Gln
 130 135 140
 Lys Thr Leu Phe Ile Phe Pro Gly Leu Leu Pro Glu Ala Pro Ser Lys
 145 150 155 160
 Pro Gly Leu Pro Lys Pro Gln Ala Thr Val Pro Arg Lys Val Asp Gly
 165 170 175
 Gly Gly Thr Ser Ala Ala Ser Lys Pro Lys Ser Thr Pro Ala Val Ile
 180 185 190
 Gln Gly Pro Ser Gly Lys Asp Lys Asp Leu Val Leu Gly Leu Ser His
 195 200 205
 Leu Asn Asn Ser Tyr Asn Phe Ser Phe His Val Val Ile Gly Ser Gln
 210 215 220
 Ala Glu Glu Gly Gln Tyr Ser Leu Asn Phe His Asn Cys Asn Asn Ser
 225 230 235 240
 Val Pro Gly Lys Glu His Pro Phe Asp Ile Thr Val Met Ile Arg Glu
 245 250 255
 Lys Asn Pro Asp Gly Phe Leu Ser Ala Ala Glu Met Pro Leu Phe Lys
 260 265 270
 Leu Tyr Met Val Met Ser Ala Cys Phe Leu Ala Ala Gly Ile Phe Trp
 275 280 285
 Val Ser Ile Leu Cys Arg Asn Thr Tyr Ser Val Phe Lys Ile His Trp
 290 295 300
 Leu Met Ala Ala Leu Ala Phe Thr Lys Ser Ile Ser Leu Leu Phe His
 305 310 315 320

Ser Ile Asn Tyr Tyr Phe Ile Asn Ser Gln Gly His Pro Ile Glu Gly
 325 330 335
 Leu Ala Val Met Tyr Tyr Ile Ala His Leu Leu Lys Gly Ala Leu Leu
 340 345 350
 Phe Ile Thr Ile Ala Leu Ile Gly Ser Gly Trp Ala Phe Ile Lys Tyr
 355 360 365
 Val Leu Ser Asp Lys Glu Lys Lys Val Phe Gly Ile Val Ile Pro Met
 370 375 380
 Gln Val Leu Ala Asn Val Ala Tyr Ile Ile Ile Glu Ser Arg Glu Glu
 385 390 395 400
 Gly Ala Ser Asp Tyr Val Leu Trp Lys Glu Ile Leu Phe Leu Val Asp
 405 410 415
 Leu Ile Cys Cys Gly Ala Ile Leu Phe Pro Val Val Trp Ser Ile Arg
 420 425 430
 His Leu Gln Asp Ala Ser Gly Thr Asp Gly Lys Val Ala Val Asn Leu
 435 440 445
 Ala Lys Leu Lys Leu Phe Arg His Tyr Tyr Val Met Val Ile Cys Tyr
 450 455 460
 Val Tyr Phe Thr Arg Ile Ile Ala Ile Leu Leu Gln Val Ala Val Pro
 465 470 475 480
 Phe Gln Trp Gln Trp Leu Tyr Gln Leu Leu Val Glu Gly Ser Thr Leu
 485 490 495
 Ala Phe Phe Val Leu Thr Gly Tyr Lys Phe Gln Pro Thr Gly Asn Asn
 500 505 510
 Pro Tyr Leu Gln Leu Pro Gln Glu Asp Glu Glu Asp Val Gln Met Glu
 515 520 525
 Gln Val Met Thr Asp Ser Gly Phe Arg Glu Gly Leu Ser Lys Val Asn
 530 535 540
 Lys Thr Ala Ser Gly Arg Glu Leu Leu
 545 550

<210> 1211
 <211> 543
 <212> PRT
 <213> Homo sapiens

<400> 1211
 Met Ala Val Ser Glu Arg Arg Gly Leu Gly Arg Gly Ser Pro Ala Glu
 1 5 10 15
 Trp Gly Gln Arg Leu Leu Leu Val Leu Leu Leu Gly Gly Cys Ser Gly

20	25	30
Arg Ile His Arg Leu Ala Leu Thr Gly Glu Lys Arg Ala Asp Ile Gln		
35	40	45
Leu Asn Ser Phe Gly Phe Tyr Thr Asn Gly Ser Leu Glu Val Glu Leu		
50	55	60
Ser Val Leu Arg Leu Gly Leu Arg Glu Ala Glu Glu Lys Ser Leu Leu		
65	70	75 80
Val Gly Phe Ser Leu Ser Arg Val Arg Ser Gly Arg Val Arg Ser Tyr		
85	90	95
Ser Thr Arg Asp Phe Gln Asp Cys Pro Leu Gln Lys Asn Ser Ser Ser		
100	105	110
Phe Leu Val Leu Phe Leu Ile Asn Thr Lys Asp Leu Gln Val Gln Val		
115	120	125
Arg Lys Tyr Gly Glu Gln Lys Thr Leu Phe Ile Phe Pro Gly Leu Leu		
130	135	140
Pro Glu Ala Pro Ser Lys Pro Gly Leu Pro Lys Pro Gln Ala Thr Val		
145	150	155 160
Pro Arg Lys Val Asp Gly Gly Gly Thr Ser Ala Ala Ser Lys Pro Lys		
165	170	175
Ser Thr Pro Ala Val Ile Gln Gly Pro Ser Gly Lys Asp Lys Asp Leu		
180	185	190
Val Leu Gly Leu Ser His Leu Asn Asn Ser Tyr Asn Phe Ser Phe His		
195	200	205
Val Val Ile Gly Ser Gln Ala Glu Glu Gly Gln Tyr Ser Leu Asn Phe		
210	215	220
His Asn Cys Asn Asn Ser Val Pro Gly Lys Glu His Pro Phe Asp Ile		
225	230	235 240
Thr Val Met Ile Arg Glu Lys Asn Pro Asp Gly Phe Leu Ser Ala Ala		
245	250	255
Glu Met Pro Leu Phe Lys Leu Tyr Met Val Met Ser Ala Cys Phe Leu		
260	265	270
Ala Ala Gly Ile Phe Trp Val Ser Ile Leu Cys Arg Asn Thr Tyr Ser		
275	280	285
Val Phe Lys Ile His Trp Leu Met Ala Ala Leu Ala Phe Thr Lys Ser		
290	295	300
Ile Ser Leu Leu Phe His Ser Ile Asn Tyr Tyr Phe Ile Asn Ser Gln		
305	310	315 320
Gly His Pro Ile Glu Gly Leu Ala Val Met Tyr Tyr Ile Ala His Leu		

325	330	335
Leu Lys Gly Ala Leu Leu Phe Ile Thr Ile Ala Leu Ile Gly Ser Gly		
340	345	350
Trp Ala Phe Ile Lys Tyr Val Leu Ser Asp Lys Glu Lys Lys Val Phe		
355	360	365
Gly Ile Val Ile Pro Met Gln Val Leu Ala Asn Val Ala Tyr Ile Ile		
370	375	380
Ile Glu Ser Arg Glu Glu Gly Ala Ser Asp Tyr Val Leu Trp Lys Glu		
385	390	400
Ile Leu Phe Leu Val Asp Leu Ile Cys Cys Gly Ala Ile Leu Phe Pro		
405	410	415
Val Val Trp Ser Ile Arg His Leu Gln Asp Ala Ser Gly Thr Asp Gly		
420	425	430
Lys Val Ala Val Asn Leu Ala Lys Leu Lys Leu Phe Arg His Tyr Tyr		
435	440	445
Val Met Val Ile Cys Tyr Val Tyr Phe Thr Arg Ile Ile Ala Ile Leu		
450	455	460
Leu Gln Val Ala Val Pro Phe Gln Trp Gln Trp Leu Tyr Gln Leu Leu		
465	470	475
Val Glu Gly Ser Thr Leu Ala Phe Phe Val Leu Thr Gly Tyr Lys Phe		
485	490	495
Gln Pro Thr Gly Asn Asn Pro Tyr Leu Gln Leu Pro Gln Glu Asp Glu		
500	505	510
Glu Asp Val Gln Met Glu Gln Val Met Thr Asp Ser Gly Phe Arg Glu		
515	520	525
Gly Leu Ser Lys Val Asn Lys Thr Ala Ser Gly Arg Glu Leu Leu		
530	535	540

<210> 1212

<211> 204

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (162)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (204)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1212

Met Ala Ala Leu Ala Tyr Asn Leu Gly Lys Arg Glu Ile Asn His Tyr
1 5 10 15

Phe Ser Val Arg Ser Ala Lys Val Leu Ala Leu Val Ala Val Leu Leu
20 25 30

Leu Ala Ala Cys His Leu Ala Ser Arg Arg Tyr Arg Gly Asn Asp Ser
35 40 45

Cys Glu Tyr Leu Leu Ser Ser Gly Arg Phe Leu Gly Glu Lys Val Trp
50 55 60

Gln Pro His Ser Cys Met Met His Lys Tyr Lys Ile Ser Glu Ala Lys
65 70 75 80

Asn Cys Leu Val Asp Lys His Ile Ala Phe Ile Gly Asp Ser Arg Ile
85 90 95

Arg Gln Leu Phe Tyr Ser Phe Val Lys Ile Ile Asn Pro Gln Phe Lys
100 105 110

Glu Glu Gly Asn Lys His Glu Asn Ile Pro Phe Glu Asp Lys Thr Ala
115 120 125

Ser Val Lys Val Asp Phe Leu Trp His Pro Glu Val Asn Gly Ser Met
130 135 140

Lys Gln Cys Ile Lys Val Trp Thr Glu Asp Ser Ile Ala Lys Pro His
145 150 155 160

Val Xaa Val Ala Gly Ala Ala Thr Trp Ser Ile Lys Ile His Asn Gly
165 170 175

Ser Ser Glu Ala Leu Ser Gln Tyr Lys Met Asn Ile Thr Phe Ile Ala
180 185 190

Pro Leu Leu Glu Lys Leu Ala Lys Thr Ser Asp Xaa
195 200

<210> 1213

<211> 85

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1213

Glu Leu His Lys Pro Phe Glu Tyr Leu Ile Gln Asp Asn Gly Xaa Val
1 5 10 15

Leu Leu Leu Gln Asn Asn Val Tyr Val Cys Met Tyr Ile Trp Phe Ser
 20 25 30
 Ile Tyr Ile Lys Gly Leu Asp Glu Pro Pro Lys Asn Trp Leu Arg Thr
 35 40 45
 Leu Gln Trp Asn Leu Gln Ala Ser Ile Cys Lys Ser Ala Arg His Lys
 50 55 60
 Thr Thr Cys Ser Leu Arg Ala Lys Arg Met Arg Phe Ser Gln Ile Leu
 65 70 75 80
 Ile Ile Leu Asn Val
 85

<210> 1214
 <211> 289
 <212> PRT
 <213> Homo sapiens

<400> 1214
 Met Ala Ala Leu Ala Tyr Asn Leu Gly Lys Arg Glu Ile Asn His Tyr
 1 5 10 15
 Phe Ser Val Arg Ser Ala Lys Val Leu Ala Leu Val Ala Val Leu Leu
 20 25 30
 Leu Ala Ala Cys His Leu Ala Ser Arg Arg Tyr Arg Gly Asn Asp Ser
 35 40 45
 Cys Glu Tyr Leu Leu Ser Ser Gly Arg Phe Leu Gly Glu Lys Val Trp
 50 55 60
 Gln Pro His Ser Cys Met Met His Lys Tyr Lys Ile Ser Glu Ala Lys
 65 70 75 80
 Asn Cys Leu Val Asp Lys His Ile Ala Phe Ile Gly Asp Ser Arg Ile
 85 90 95
 Arg Gln Leu Phe Tyr Ser Phe Val Lys Ile Ile Asn Pro Gln Phe Lys
 100 105 110
 Glu Glu Gly Asn Lys His Glu Asn Ile Pro Phe Glu Asp Lys Thr Ala
 115 120 125
 Ser Val Lys Val Asp Phe Leu Trp His Pro Glu Val Asn Gly Ser Met
 130 135 140
 Lys Gln Cys Ile Lys Val Trp Thr Glu Asp Ser Ile Ala Lys Pro His
 145 150 155 160
 Val Ile Val Ala Gly Ala Ala Thr Trp Ser Ile Lys Ile His Asn Gly
 165 170 175
 Ser Ser Glu Ala Leu Ser Gln Tyr Lys Met Asn Ile Thr Ser Ile Ala

180	185	190
Pro Leu Leu Glu Lys Leu Ala Lys Thr Ser Asp Val Tyr Trp Val Leu		
195	200	205
Gln Asp Pro Val Tyr Glu Asp Leu Leu Ser Glu Asn Arg Lys Met Ile		
210	215	220
Thr Asn Glu Lys Ile Asp Ala Tyr Asn Glu Ala Ala Val Ser Ile Leu		
225	230	235
Asn Ser Ser Thr Arg Asn Ser Lys Ser Asn Val Lys Met Phe Ser Val		
245	250	255
Ser Lys Leu Ile Ala Gln Glu Thr Ile Met Glu Ser Leu Asp Gly Leu		
260	265	270
His Leu Pro Glu Ser Ser Arg Glu Thr Val Arg Asn Phe Tyr Ile Cys		
275	280	285

Gln

<210> 1215
 <211> 215
 <212> PRT
 <213> Homo sapiens

<400> 1215

Cys Glu Val Arg Pro Glu Val Leu Phe Leu Thr Arg His Phe Ile Phe
1 5 10 15
His Asp Asn Asn Asn Thr Trp Glu Gly His Tyr Tyr His Tyr Ser Asp
20 25 30
Pro Val Cys Lys His Pro Thr Phe Ser Ile Tyr Ala Arg Gly Arg Tyr
35 40 45
Ser Arg Gly Val Leu Ser Ser Arg Val Met Gly Gly Thr Glu Phe Val
50 55 60
Phe Lys Val Asn His Met Lys Val Thr Pro Met Asp Ala Ala Thr Ala
65 70 75 80
Ser Leu Leu Asn Val Phe Asn Gly Asn Glu Cys Gly Ala Glu Gly Ser
85 90 95
Trp Gln Val Gly Ile Gln Gln Asp Val Thr His Thr Asn Gly Cys Val
100 105 110
Ala Leu Gly Ile Lys Leu Pro His Thr Glu Tyr Glu Ile Phe Lys Met
115 120 125
Glu Gln Asp Ala Arg Gly Arg Tyr Leu Leu Phe Asn Gly Gln Arg Pro
130 135 140

Ser Asp Gly Ser Ser Pro Asp Arg Pro Glu Lys Arg Ala Thr Ser Tyr
 145 150 155 160

Gln Met Pro Leu Val Gln Cys Ala Ser Ser Ser Pro Arg Ala Glu Asp
 165 170 175

Leu Ala Glu Asp Ser Gly Ser Ser Leu Tyr Gly Arg Ala Pro Gly Arg
 180 185 190

His Thr Trp Ser Leu Leu Leu Ala Ala Leu Ala Cys Leu Val Pro Leu
 195 200 205

Leu His Trp Asn Ile Arg Arg
 210 215

<210> 1216
 <211> 466
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (268)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (458)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (460)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (461)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (463)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1216
 Met Ser Trp Pro Arg Arg Leu Leu Leu Arg Tyr Leu Phe Pro Ala Leu
 1 5 10 15

Leu Leu His Gly Leu Gly Glu Gly Ser Ala Leu Leu His Pro Asp Ser
 20 25 30

Arg Ser His Pro Arg Ser Leu Glu Lys Ser Ala Trp Arg Ala Phe Lys
 35 40 45

Glu	Ser	Gln	Cys	His	His	Met	Leu	Lys	His	Leu	His	Asn	Gly	Ala	Arg	50	55	60
Ile	Thr	Val	Gln	Met	Pro	Pro	Thr	Ile	Glu	Gly	His	Trp	Val	Ser	Thr	65	70	75
Gly	Cys	Glu	Val	Arg	Ser	Gly	Pro	Glu	Phe	Ile	Thr	Arg	Ser	Tyr	Arg	85	90	95
Phe	Tyr	His	Asn	Asn	Thr	Phe	Lys	Ala	Tyr	Gln	Phe	Tyr	Tyr	Gly	Ser	100	105	110
Asn	Arg	Cys	Thr	Asn	Pro	Thr	Tyr	Thr	Leu	Ile	Ile	Arg	Gly	Lys	Ile	115	120	125
Arg	Leu	Arg	Gln	Ala	Ser	Trp	Ile	Ile	Arg	Gly	Gly	Thr	Glu	Ala	Asp	130	135	140
Tyr	Gln	Leu	His	Asn	Val	Gln	Val	Ile	Cys	His	Thr	Glu	Ala	Val	Ala	145	150	155
Glu	Lys	Leu	Gly	Gln	Gln	Val	Asn	Arg	Thr	Cys	Pro	Gly	Phe	Leu	Ala	165	170	175
Asp	Gly	Gly	Pro	Trp	Val	Gln	Asp	Val	Ala	Tyr	Asp	Leu	Trp	Arg	Glu	180	185	190
Glu	Asn	Gly	Cys	Glu	Cys	Thr	Lys	Ala	Val	Asn	Phe	Ala	Met	His	Glu	195	200	205
Leu	Gln	Leu	Ile	Arg	Val	Glu	Lys	Gln	Tyr	Leu	His	His	Asn	Leu	Asp	210	215	220
His	Leu	Val	Glu	Glu	Leu	Phe	Leu	Gly	Asp	Ile	His	Thr	Asp	Ala	Thr	225	230	235
Gln	Arg	Met	Phe	Tyr	Arg	Pro	Ser	Ser	Tyr	Gln	Pro	Pro	Leu	Gln	Asn	245	250	255
Ala	Lys	Asn	His	Asp	His	Ala	Cys	Ile	Ala	Cys	Xaa	Ile	Ile	Tyr	Arg	260	265	270
Ser	Asp	Glu	His	His	Pro	Pro	Ile	Leu	Pro	Pro	Lys	Ala	Asp	Leu	Thr	275	280	285
Ile	Gly	Leu	His	Gly	Glu	Trp	Val	Ser	Gln	Arg	Cys	Glu	Val	Arg	Pro	290	295	300
Glu	Val	Leu	Phe	Leu	Thr	Arg	His	Phe	Ile	Phe	His	Asp	Asn	Asn	Asn	305	310	315
Thr	Trp	Glu	Gly	His	Tyr	Tyr	His	Tyr	Ser	Asp	Pro	Val	Cys	Lys	His	325	330	335
Pro	Thr	Phe	Ser	Ile	Tyr	Ala	Arg	Gly	Arg	Tyr	Ser	Arg	Gly	Val	Leu	340	345	350

Ser Ser Arg Val Met Gly Gly Thr Glu Phe Val Phe Lys Val Asn His
355 360 365

Met Lys Val Thr Pro Met Asp Ala Ala Thr Ala Ser Leu Leu Asn Val
370 375 380

Phe Asn Gly Asn Glu Cys Gly Ala Glu Gly Ser Trp Gln Val Gly Ile
385 390 395 400

Gln Gln Asp Val Thr His Thr Asn Gly Cys Val Ala Leu Gly Ile Lys
405 410 415

Leu Pro His Thr Glu Tyr Glu Ile Phe Lys Met Glu Gln Asp Ala Arg
420 425 430

Gly Arg Tyr Leu Leu Phe Asn Gly Gln Arg Pro Ser Asp Gly Ser Ser
435 440 445

Pro Asp Arg Pro Arg Arg Lys Lys Gly Xaa Lys Xaa Xaa Lys Xaa Ala
450 455 460

Pro Pro
465

<210> 1217
<211> 514
<212> PRT
<213> Homo sapiens

<400> 1217
Met Ser Trp Pro Arg Arg Leu Leu Leu Arg Tyr Leu Phe Pro Ala Leu
1 5 10 15

Leu Leu His Gly Leu Gly Glu Gly Ser Ala Leu Leu His Pro Asp Ser
20 25 30

Arg Ser His Pro Arg Ser Leu Glu Lys Ser Ala Trp Arg Ala Phe Lys
35 40 45

Glu Ser Gln Cys His His Met Leu Lys His Leu His Asn Gly Ala Arg
50 55 60

Ile Thr Val Gln Met Pro Pro Thr Ile Glu Gly His Trp Val Ser Thr
65 70 75 80

Gly Cys Glu Val Arg Ser Gly Pro Glu Phe Ile Thr Arg Ser Tyr Arg
85 90 95

Phe Tyr His Asn Asn Thr Phe Lys Ala Tyr Gln Phe Tyr Tyr Gly Ser
100 105 110

Asn Arg Cys Thr Asn Pro Thr Tyr Thr Leu Ile Ile Arg Gly Lys Ile
115 120 125

Arg	Leu	Arg	Gln	Ala	Ser	Trp	Ile	Ile	Arg	Gly	Gly	Thr	Glu	Ala	Asp
130						135					140				
Tyr	Gln	Leu	His	Asn	Val	Gln	Val	Ile	Cys	His	Thr	Glu	Ala	Val	Ala
145				150					155						160
Glu	Lys	Leu	Gly	Gln	Gln	Val	Asn	Arg	Thr	Cys	Pro	Gly	Phe	Leu	Ala
			165						170					175	
Asp	Gly	Gly	Pro	Trp	Val	Gln	Asp	Val	Ala	Tyr	Asp	Leu	Trp	Arg	Glu
			180					185					190		
Glu	Asn	Gly	Cys	Glu	Cys	Thr	Lys	Ala	Val	Asn	Phe	Ala	Met	His	Glu
		195					200					205			
Leu	Gln	Leu	Ile	Arg	Val	Glu	Lys	Gln	Tyr	Leu	His	His	Asn	Leu	Asp
	210					215					220				
His	Leu	Val	Glu	Glu	Leu	Phe	Leu	Gly	Asp	Ile	His	Thr	Asp	Ala	Thr
225					230					235					240
Gln	Arg	Met	Phe	Tyr	Arg	Pro	Ser	Ser	Tyr	Gln	Pro	Pro	Leu	Gln	Asn
			245						250					255	
Ala	Lys	Asn	His	Asp	His	Ala	Cys	Ile	Ala	Cys	Arg	Ile	Ile	Tyr	Arg
			260					265					270		
Ser	Asp	Glu	His	His	Pro	Pro	Ile	Leu	Pro	Pro	Lys	Ala	Asp	Leu	Thr
		275					280					285			
Ile	Gly	Leu	His	Gly	Glu	Trp	Val	Ser	Gln	Arg	Cys	Glu	Val	Arg	Pro
	290					295					300				
Glu	Val	Leu	Phe	Leu	Thr	Arg	His	Phe	Ile	Phe	His	Asp	Asn	Asn	Asn
305					310					315					320
Thr	Trp	Glu	Gly	His	Tyr	Tyr	His	Tyr	Ser	Asp	Pro	Val	Cys	Lys	His
			325						330					335	
Pro	Thr	Phe	Ser	Ile	Tyr	Ala	Arg	Gly	Arg	Tyr	Ser	Arg	Gly	Val	Leu
			340					345					350		
Ser	Ser	Arg	Val	Met	Gly	Gly	Thr	Glu	Phe	Val	Phe	Lys	Val	Asn	His
		355					360					365			
Met	Lys	Val	Thr	Pro	Met	Asp	Ala	Ala	Thr	Ala	Ser	Leu	Leu	Asn	Val
	370					375					380				
Phe	Asn	Gly	Asn	Glu	Cys	Gly	Ala	Glu	Gly	Ser	Trp	Gln	Val	Gly	Ile
385					390					395					400
Gln	Gln	Asp	Val	Thr	His	Thr	Asn	Gly	Cys	Val	Ala	Leu	Gly	Ile	Lys
			405					410						415	
Leu	Pro	His	Thr	Glu	Tyr	Glu	Ile	Phe	Lys	Met	Glu	Gln	Asp	Ala	Arg
			420					425					430		

Gly Arg Tyr Leu Leu Phe Asn Gly Gln Arg Pro Ser Asp Gly Ser Ser
435 440 445

Pro Asp Arg Pro Glu Lys Arg Ala Thr Ser Tyr Gln Met Pro Leu Val
450 455 460

Gln Cys Ala Ser Ser Ser Pro Arg Ala Glu Asp Leu Ala Glu Asp Ser
465 470 475 480

Gly Ser Ser Leu Tyr Gly Arg Ala Pro Gly Arg His Thr Trp Ser Leu
485 490 495

Leu Leu Ala Ala Leu Ala Cys Leu Val Pro Leu Leu His Trp Asn Ile
500 505 510

Arg Arg

<210> 1218
<211> 36
<212> PRT
<213> Homo sapiens

<400> 1218
Met Asn Asn Ser Ile Ala Ala Gln Ala Ser Lys Phe Val Ile Leu Tyr
1 5 10 15
Leu Phe Ile Leu Ser Phe Pro Lys Gln Cys Ile Cys His Ile Leu Ser
20 25 30
Glu Met Val Trp
35

<210> 1219
<211> 101
<212> PRT
<213> Homo sapiens

<400> 1219
Gln Ala Ser Lys Ser Leu Leu Pro His Gly Ile His Thr Ile Leu Asn
1 5 10 15
Val Ile Tyr Ile Asn Leu Thr Ser Val Gly Ile Met Thr Met Cys Met
20 25 30
Lys Cys Asn Leu Pro Lys Lys Phe Leu Arg Asp Ser Val Ser Lys Val
35 40 45
Leu Ile Asp Ser Trp Ser His Arg Tyr Leu Leu Thr Ser Met Tyr Gln
50 55 60
Tyr Ser Arg Leu Ser Glu Glu Lys Gln Val Ile Ser Ile Tyr Cys Ile
65 70 75 80

Ile Tyr Thr Asn Asn Leu Gly Thr Leu Lys Asp Ser Tyr Gln Leu Gly
85 90 95

Trp Trp Glu Pro Ser
100

<210> 1220
<211> 178
<212> PRT
<213> Homo sapiens

<400> 1220
His Leu Leu Glu Val Thr Pro Cys Arg Leu Pro Val Pro Glu Phe Pro
1 5 10 15

Gly Arg Thr Pro Arg Gly Ser Arg Thr Pro Asp Met Arg Arg Leu Leu
20 25 30

Leu Val Thr Ser Leu Val Val Val Leu Leu Trp Glu Ala Gly Ala Val
35 40 45

Pro Ala Pro Lys Val Pro Ile Lys Met Gln Val Lys His Trp Pro Ser
50 55 60

Glu Gln Asp Pro Glu Lys Ala Trp Gly Ala Arg Val Val Glu Pro Pro
65 70 75 80

Glu Lys Asp Asp Gln Leu Val Val Leu Phe Pro Val Gln Lys Pro Lys
85 90 95

Leu Leu Thr Thr Glu Glu Lys Pro Arg Gly Gln Gly Arg Gly Pro Ile
100 105 110

Leu Pro Gly Thr Lys Ala Trp Met Glu Thr Glu Asp Thr Leu Gly Arg
115 120 125

Val Leu Ser Pro Glu Pro Asp His Asp Ser Leu Tyr His Pro Pro Pro
130 135 140

Glu Glu Asp Gln Gly Glu Glu Arg Pro Arg Leu Trp Val Met Pro Asn
145 150 155 160

His Gln Val Leu Leu Gly Pro Glu Glu Asp Gln Asp His Ile Tyr His
165 170 175

Pro Gln

<210> 1221
<211> 40
<212> PRT
<213> Homo sapiens

<400> 1221

Met Asn Asn Ser Ile Ala Ala Gln Ala Ser Lys Phe Val Ile Leu Tyr
1 5 10 15

Leu Phe Ile Leu Ser Phe Pro Lys Gln Cys Ile Cys His Ile Leu Val
20 25 30

Arg Trp Ser Gly Lys Ser His Phe
35 40

<210> 1222

<211> 39

<212> PRT

<213> Homo sapiens

<400> 1222

Met Met Gln Val Pro Asp Leu Glu Leu Gly Leu Leu Leu Ala Thr Phe
1 5 10 15

Leu Leu His Leu Leu Asp Ala Leu Pro Met Leu Leu Ser Leu Gln Ser
20 25 30

Cys Arg Glu Pro Thr Ser Ser
35

<210> 1223

<211> 54

<212> PRT

<213> Homo sapiens

<400> 1223

Gly Thr Leu Gln Arg Gly Phe Leu Leu Cys Ser Leu Val Pro Gly Trp
1 5 10 15

Gly Trp Gly Thr Pro Ala Ala Leu Thr Asp Gly Ser Pro Phe Ser Leu
20 25 30

Ser Gly His Pro Ser Pro Thr Leu Thr Cys Thr Lys Phe Ser Pro Gln
35 40 45

Leu Leu Cys Val Ala Pro
50

<210> 1224

<211> 39

<212> PRT

<213> Homo sapiens

<400> 1224

Met Met Gln Val Pro Asp Leu Glu Leu Gly Leu Leu Leu Ala Thr Phe

1 5 10 15
 Leu Leu His Leu Leu Asp Ala Leu Pro Met Leu Leu Ser Leu Gln Ser
 20 25 30

Cys Arg Glu Pro Thr Ser Ser
 35

<210> 1225
 <211> 167
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (165)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1225
 Met Ser Leu Tyr Leu Cys Val Ser Leu Leu Ile Ser Leu Ser Leu Ser
 1 5 10 15

Leu Asn Val Ser Val Ser Val Ser Leu Arg Leu Cys Leu Tyr Phe Ser
 20 25 30

Pro Pro Leu Ser Asp Ala Ile Ser Leu Cys Leu Ser Leu Ser Leu Ser
 35 40 45

Val Ser Pro Phe Leu Ser Pro Ser Leu Ala Leu Cys Phe Leu Cys Leu
 50 55 60

Cys Leu Phe Leu Ala Gln Ser Arg Ala Leu Gly Met Arg Thr Arg Val
 65 70 75 80

Ser Gln Gly Trp Leu Gln Leu Asp Thr Ser Gly Ile Pro Ala Ser Pro
 85 90 95

Gly Pro Ser Lys Gly Glu Arg Tyr Val Thr Phe Gly Val Val Gly Gly
 100 105 110

Ala Gly Ser Asn Leu Ala Val His Ser Ala Arg Pro Leu Ile Gly Asn
 115 120 125

Leu Leu Ser Val Gly Pro Thr Ser Thr Leu Thr Pro Thr Arg Gly Leu
 130 135 140

Ser Trp Gln Ser Ile Ala Ala Ser Pro Ser Ser Thr Gly His Ala Lys
 145 150 155 160

Phe Arg Glu Thr Xaa Lys Asn
 165

<210> 1226

<211> 71
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1226
Gln Leu Arg Xaa Leu Arg Asp Ser Ile Pro Glu Gln Phe Cys Asn Arg
1 5 10 15
Leu Lys Ala Pro Gly Asn Arg Thr His Ile Ser Gly Cys Leu Gly Gly
20 25 30
Gly Gln Asp Leu Gly Gly Pro Glu Arg Val Phe Trp Asp Asp Gly Ile
35 40 45
Phe Cys Ile Leu Thr Val Trp Cys Leu His Arg Xaa Gln His Leu Ser
50 55 60
Glu Ile Asn Gly Leu Ser Leu
65 70

<210> 1227
<211> 114
<212> PRT
<213> Homo sapiens

<400> 1227
Met Ser Leu Tyr Leu Cys Val Ser Leu Leu Ile Ser Leu Ser Leu Ser
1 5 10 15
Leu Asn Val Ser Val Ser Val Ser Leu Arg Leu Cys Leu Tyr Phe Ser
20 25 30
Pro Pro Leu Ser Asp Ala Ile Ser Leu Cys Leu Ser Leu Ser Leu Ser
35 40 45
Val Ser Pro Phe Leu Ser Pro Ser Leu Ala Leu Cys Phe Leu Cys Leu
50 55 60
Cys Leu Phe Leu Ala Gln Ser Arg Ala Leu Gly Met Arg Thr Arg Val
65 70 75 80
Ser Gln Gly Trp Leu Gln Leu Asp Thr Ser Gly Ile Pro Ala Ser Pro
85 90 95
Gly Pro Ser Lys Gly Glu Arg Tyr Val Tyr Phe Arg Gly Gly Arg Gly

100

105

110

Cys Gly

<210> 1228

<211> 123

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (5)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1228

Met	Ala	Ala	Leu	Xaa	Thr	Val	Leu	Phe	Thr	Gly	Val	Arg	Arg	Leu	His
1				5					10					15	

Cys	Ser	Ala	Ala	Ala	Trp	Ala	Gly	Gly	Gln	Trp	Arg	Leu	Gln	Gln	Gly
		20					25						30		

Leu	Ala	Ala	Asn	Pro	Ser	Gly	Tyr	Gly	Pro	Leu	Thr	Glu	Leu	Pro	Asp
	35					40					45				

Trp	Ser	Tyr	Ala	Asp	Gly	Arg	Pro	Ala	Pro	Pro	Met	Lys	Gly	Gln	Leu
	50				55						60				

Arg	Arg	Lys	Ala	Glu	Arg	Glu	Thr	Phe	Ala	Arg	Arg	Val	Val	Leu	Leu
65				70					75					80	

Ser	Gln	Glu	Met	Asp	Ala	Gly	Leu	Gln	Ala	Trp	Gln	Leu	Arg	Gln	Gln
			85						90					95	

Lys	Leu	Gln	Glu	Glu	Gln	Arg	Lys	Gln	Glu	Asn	Ala	Leu	Lys	Pro	Lys
	100						105						110		

Gly	Ala	Ser	Leu	Lys	Ser	Pro	Leu	Pro	Ser	Gln
	115						120			

<210> 1229

<211> 123

<212> PRT

<213> Homo sapiens

<400> 1229

Met	Ala	Ala	Leu	Val	Thr	Val	Leu	Phe	Thr	Gly	Val	Arg	Arg	Leu	His
1				5					10					15	

Cys	Ser	Ala	Ala	Ala	Trp	Ala	Gly	Gly	Gln	Trp	Arg	Leu	Gln	Gln	Gly
		20					25						30		

Leu	Ala	Ala	Asn	Pro	Ser	Gly	Tyr	Gly	Pro	Leu	Thr	Glu	Leu	Pro	Asp
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

35	40	45
Trp Ser Tyr Ala Asp Gly Arg Pro Ala Pro Pro Met Lys Gly Gln Leu		
50	55	60
Arg Arg Lys Ala Glu Arg Glu Thr Phe Ala Arg Arg Val Val Leu Leu		
65	70	75
Ser Gln Glu Met Asp Ala Gly Leu Gln Ala Trp Gln Leu Arg Gln Gln		
85	90	95
Lys Leu Gln Glu Glu Gln Arg Lys Gln Glu Asn Ala Leu Lys Pro Lys		
100	105	110
Gly Ala Ser Leu Lys Ser Pro Leu Pro Ser Gln		
115	120	

<210> 1230
 <211> 128
 <212> PRT
 <213> Homo sapiens

<400> 1230
Met Gly Ser Ala Pro Trp Ala Pro Val Leu Leu Leu Ala Leu Gly Leu
1 5 10 15
Arg Gly Leu Gln Ala Gly Ala Arg Arg Ala Pro Asp Pro Gly Phe Gln
20 25 30
Glu Arg Phe Phe Gln Gln Arg Leu Asp His Phe Asn Phe Glu Arg Phe
35 40 45
Gly Asn Lys Thr Phe Pro Gln Arg Phe Leu Val Ser Asp Arg Phe Trp
50 55 60
Val Arg Gly Glu Gly Pro Ile Phe Phe Tyr Thr Gly Asn Glu Gly Asp
65 70 75 80
Val Trp Ala Phe Ala Asn Asn Ser Ala Phe Val Ala Glu Leu Ala Ala
85 90 95
Glu Arg Gly Ala Leu Leu Val Phe Ala Glu His Arg Tyr Tyr Gly Lys
100 105 110
Ser Leu Pro Phe Gly Ala Gln Ser Thr Gln Arg Gly Thr Arg Ser Cys
115 120 125

<210> 1231
 <211> 492
 <212> PRT

<213> Homo sapiens

<400> 1231

Met	Gly	Ser	Ala	Pro	Trp	Ala	Pro	Val	Leu	Leu	Leu	Ala	Leu	Gly	Leu	
1				5					10					15		
Arg	Gly	Leu	Gln	Ala	Gly	Ala	Arg	Arg	Ala	Pro	Asp	Pro	Gly	Phe	Gln	
			20					25					30			
Glu	Arg	Phe	Phe	Gln	Gln	Arg	Leu	Asp	His	Phe	Asn	Phe	Glu	Arg	Phe	
		35					40				45					
Gly	Asn	Lys	Thr	Phe	Pro	Gln	Arg	Phe	Leu	Val	Ser	Asp	Arg	Phe	Trp	
	50					55					60					
Val	Arg	Gly	Glu	Gly	Pro	Ile	Phe	Phe	Tyr	Thr	Gly	Asn	Glu	Gly	Asp	
65					70				75					80		
Val	Trp	Ala	Phe	Ala	Asn	Asn	Ser	Ala	Phe	Val	Ala	Glu	Leu	Ala	Ala	
				85					90					95		
Glu	Arg	Gly	Ala	Leu	Leu	Val	Phe	Ala	Glu	His	Arg	Tyr	Tyr	Gly	Lys	
			100					105					110			
Ser	Leu	Pro	Phe	Gly	Ala	Gln	Ser	Thr	Gln	Arg	Gly	His	Thr	Glu	Leu	
		115					120					125				
Leu	Thr	Val	Glu	Gln	Ala	Leu	Ala	Asp	Phe	Ala	Glu	Leu	Leu	Arg	Ala	
	130					135					140					
Leu	Arg	Arg	Asp	Leu	Gly	Ala	Gln	Asp	Ala	Pro	Ala	Ile	Ala	Phe	Gly	
145				150					155					160		
Gly	Ser	Tyr	Gly	Gly	Met	Leu	Ser	Ala	Tyr	Leu	Arg	Met	Lys	Tyr	Pro	
			165						170				175			
His	Leu	Val	Ala	Gly	Ala	Leu	Ala	Ala	Ser	Ala	Pro	Val	Leu	Ala	Val	
		180						185					190			
Ala	Gly	Leu	Gly	Asp	Ser	Asn	Gln	Phe	Phe	Arg	Asp	Val	Thr	Ala	Asp	
		195					200					205				
Phe	Glu	Gly	Gln	Ser	Pro	Lys	Cys	Thr	Gln	Gly	Val	Arg	Glu	Ala	Phe	
	210					215					220					
Arg	Gln	Ile	Lys	Asp	Leu	Phe	Leu	Gln	Gly	Ala	Tyr	Asp	Thr	Val	Arg	
225					230				235					240		
Trp	Glu	Phe	Gly	Thr	Cys	Gln	Pro	Leu	Ser	Asp	Glu	Lys	Asp	Leu	Thr	
			245					250					255			
Gln	Leu	Phe	Met	Phe	Ala	Arg	Asn	Ala	Phe	Thr	Val	Leu	Ala	Met	Met	
		260						265					270			
Asp	Tyr	Pro	Tyr	Pro	Thr	Asp	Phe	Leu	Gly	Pro	Leu	Pro	Ala	Asn	Pro	
	275						280					285				

Val Lys Val Gly Cys Asp Arg Leu Leu Ser Glu Ala Gln Arg Ile Thr
 290 295 300
 Gly Leu Arg Ala Leu Ala Gly Leu Val Tyr Asn Ala Ser Gly Ser Glu
 305 310 315 320
 His Cys Tyr Asp Ile Tyr Arg Leu Tyr His Ser Cys Ala Asp Pro Thr
 325 330 335
 Gly Cys Gly Thr Gly Pro Asp Ala Arg Ala Trp Asp Tyr Gln Ala Cys
 340 345 350
 Thr Glu Ile Asn Leu Thr Phe Ala Ser Asn Asn Val Thr Asp Met Phe
 355 360 365
 Pro Asp Leu Pro Phe Thr Asp Glu Leu Arg Gln Arg Tyr Cys Leu Asp
 370 375 380
 Thr Trp Gly Val Trp Pro Arg Pro Asp Trp Leu Leu Thr Ser Phe Trp
 385 390 395 400
 Gly Gly Asp Leu Arg Ala Ala Ser Asn Ile Ile Phe Ser Asn Gly Asn
 405 410 415
 Leu Asp Pro Trp Ala Gly Gly Gly Ile Arg Arg Asn Leu Ser Ala Ser
 420 425 430
 Val Ile Ala Val Thr Ile Gln Gly Gly Ala His His Leu Asp Leu Arg
 435 440 445
 Ala Ser His Pro Glu Asp Pro Ala Ser Val Val Glu Ala Arg Lys Leu
 450 455 460
 Glu Ala Thr Ile Ile Gly Glu Trp Val Lys Ala Ala Arg Arg Glu Gln
 465 470 475 480
 Gln Pro Ala Leu Arg Gly Gly Pro Arg Leu Ser Leu
 485 490

<210> 1232

<211> 492

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (89)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1232

Met Gly Ser Ala Pro Trp Ala Pro Val Leu Leu Ala Leu Gly Leu
 1 5 10 15

Arg Gly Leu Gln Ala Gly Ala Arg Arg Ala Pro Asp Pro Gly Phe Gln
 20 25 30

Glu Arg Phe Phe Gln Gln Arg Leu Asp His Phe Asn Phe Glu Arg Phe	35	40	45
Gly Asn Lys Thr Phe Pro Gln Arg Phe Leu Val Ser Asp Arg Phe Trp	50	55	60
Val Arg Gly Glu Gly Pro Ile Phe Phe Tyr Thr Gly Asn Glu Gly Asp	65	70	75
Val Trp Ala Phe Ala Asn Asn Ser Xaa Phe Val Ala Glu Leu Ala Ala	85	90	95
Glu Arg Gly Ala Leu Leu Val Phe Ala Glu His Arg Tyr Tyr Gly Lys	100	105	110
Ser Leu Pro Phe Gly Ala Gln Ser Thr Gln Arg Gly His Thr Glu Leu	115	120	125
Leu Thr Val Glu Gln Ala Leu Ala Asp Phe Ala Glu Leu Leu Arg Ala	130	135	140
Leu Arg Arg Asp Leu Gly Ala Gln Asp Ala Pro Ala Ile Ala Phe Gly	145	150	155
Gly Ser Tyr Gly Gly Met Leu Ser Ala Tyr Leu Arg Met Lys Tyr Pro	165	170	175
His Leu Val Ala Gly Ala Leu Ala Ala Ser Ala Pro Val Leu Ala Val	180	185	190
Ala Gly Leu Gly Asp Ser Asn Gln Phe Phe Arg Asp Val Thr Ala Asp	195	200	205
Phe Glu Gly Gln Ser Pro Lys Cys Thr Gln Gly Val Arg Glu Ala Phe	210	215	220
Arg Gln Ile Lys Asp Leu Phe Leu Gln Gly Ala Tyr Asp Thr Val Arg	225	230	235
Trp Glu Phe Gly Thr Cys Gln Pro Leu Ser Asp Glu Lys Asp Leu Thr	245	250	255
Gln Leu Phe Met Phe Ala Arg Asn Ala Phe Thr Val Leu Ala Met Met	260	265	270
Asp Tyr Pro Tyr Pro Thr Asp Phe Leu Gly Pro Leu Pro Ala Asn Pro	275	280	285
Val Lys Val Gly Cys Asp Arg Leu Leu Ser Glu Ala Gln Arg Ile Thr	290	295	300
Gly Leu Arg Ala Leu Ala Gly Leu Val Tyr Asn Ala Ser Gly Ser Glu	305	310	315
His Cys Tyr Asp Ile Tyr Arg Leu Tyr His Ser Cys Ala Asp Pro Thr	325	330	335

Gly Cys Gly Thr Gly Pro Asp Ala Arg Ala Trp Asp Tyr Gln Ala Cys
 340 345 350
 Thr Glu Ile Asn Leu Thr Phe Ala Ser Asn Asn Val Thr Asp Met Phe
 355 360 365
 Pro Asp Leu Pro Phe Thr Asp Glu Leu Arg Gln Arg Tyr Cys Leu Asp
 370 375 380
 Thr Trp Gly Val Trp Pro Arg Pro Asp Trp Leu Leu Thr Ser Phe Trp
 385 390 395 400
 Gly Gly Asp Leu Arg Ala Ala Ser Asn Ile Ile Phe Ser Asn Gly Asn
 405 410 415
 Leu Asp Pro Trp Ala Gly Gly Gly Ile Arg Arg Asn Leu Ser Ala Ser
 420 425 430
 Val Ile Ala Val Thr Ile Gln Gly Gly Ala His His Leu Asp Leu Arg
 435 440 445
 Ala Ser His Pro Glu Asp Pro Ala Ser Val Val Glu Ala Arg Lys Leu
 450 455 460
 Glu Ala Thr Ile Ile Gly Glu Trp Val Lys Ala Ala Arg Arg Glu Gln
 465 470 475 480
 Gln Pro Ala Leu Arg Gly Gly Pro Arg Leu Ser Leu
 485 490

<210> 1233
 <211> 184
 <212> PRT
 <213> Homo sapiens

<400> 1233
 Met Phe Leu Glu Leu Ser Gln Ala Leu Leu Leu Leu Gly Leu Pro Arg
 1 5 10 15
 Ala Pro Thr Leu Phe Pro Ala Leu Pro Glu Gly Pro Thr Ser Leu Gly
 20 25 30
 Glu Gln Trp Pro Pro Gln Leu Pro Pro His Leu Gly Ala Pro Pro Ala
 35 40 45
 Ala Glu Gly Ala Val Ala Met Val Gly Cys Gly Glu Gly Arg Gly Gly
 50 55 60
 Lys Pro Leu Cys Cys Ser Pro Ala Gln Ser Pro Ala Gln Arg Val Arg
 65 70 75 80
 Ser Gly Gly Asp Lys Glu Pro Ile Thr Thr Thr Glu Val Ser Leu Ile
 85 90 95

Leu Leu His Ser Arg Cys Phe Asn Leu Thr Lys Leu Lys Lys Thr Ala
 100 105 110
 Phe Ala Met Ala His Arg Ser Leu Tyr Leu Phe Leu Arg Lys Cys Phe
 115 120 125
 Leu Leu Phe Ala Gly Gln Val Pro Lys Asn Arg Gln Met Phe Leu Leu
 130 135 140
 Lys Asp Gln Pro Ile Arg Leu Val Arg Thr Arg Arg Leu Trp Pro Arg
 145 150 155 160
 Ala Ser Pro Leu Gln Ala Cys Gly Leu Arg Trp His Leu Ala Ala Gly
 165 170 175
 Pro Gln Pro Gly Glu Gly Tyr Tyr
 180

<210> 1234
 <211> 130
 <212> PRT
 <213> Homo sapiens

<400> 1234
 Met Phe Leu Glu Leu Ser Gln Ala Leu Leu Leu Leu Gly Leu Pro Arg
 1 5 10 15
 Ala Pro Thr Leu Phe Pro Ala Leu Pro Glu Gly Pro Thr Ser Leu Gly
 20 25 30
 Glu Gln Trp Pro Pro Gln Leu Pro Pro His Leu Gly Ala Pro Pro Ala
 35 40 45
 Ala Glu Gly Ala Val Ala Met Val Gly Cys Gly Glu Gly Arg Gly Gly
 50 55 60
 Lys Pro Leu Cys Cys Ser Pro Ala Gln Ser Pro Ala Gln Arg Val Arg
 65 70 75 80
 Ser Gly Gly Asp Lys Glu Pro Ile Thr Thr Thr Glu Val Ser Leu Ile
 85 90 95
 Leu Leu His Ser Arg Cys Phe Asn Leu Thr Lys Leu Lys Lys Thr Ala
 100 105 110
 Phe Ala Met Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys
 115 120 125
 Lys Lys
 130

<210> 1235
 <211> 133

<212> PRT

<213> Homo sapiens

<400> 1235

Met Phe Leu Glu Leu Ser Gln Ala Leu Leu Leu Leu Gly Leu Pro Arg
1 5 10 15
Ala Pro Thr Leu Phe Pro Ala Leu Pro Glu Gly Pro Thr Ser Leu Gly
20 25 30
Glu Gln Trp Pro Pro Gln Leu Pro Pro His Leu Gly Ala Pro Pro Ala
35 40 45
Ala Glu Gly Ala Val Ala Met Val Gly Cys Gly Glu Gly Arg Gly Gly
50 55 60
Lys Pro Leu Cys Cys Ser Pro Ala Gln Ser Pro Ala Gln Arg Val Arg
65 70 75 80
Ser Gly Gly Asp Lys Glu Pro Ile Thr Thr Thr Glu Val Ser Leu Ile
85 90 95
Leu Leu His Ser Arg Cys Phe Asn Leu Thr Lys Leu Lys Lys Thr Ala
100 105 110
Phe Ala Met Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys
115 120 125
Lys Lys Lys Lys Lys
130

<210> 1236

<211> 399

<212> PRT

<213> Homo sapiens

<400> 1236

Met Gly Ile Leu Leu Gly Leu Leu Leu Leu Gly His Leu Thr Val Asp
1 5 10 15
Thr Tyr Gly Arg Pro Ile Leu Glu Val Pro Glu Ser Val Thr Gly Pro
20 25 30
Trp Lys Gly Asp Val Asn Leu Pro Cys Thr Tyr Asp Pro Leu Gln Gly
35 40 45
Tyr Thr Gln Val Leu Val Lys Trp Leu Val Gln Arg Gly Ser Asp Pro
50 55 60
Val Thr Ile Phe Leu Arg Asp Ser Ser Gly Asp His Ile Gln Gln Ala
65 70 75 80
Lys Tyr Gln Gly Arg Leu His Val Ser His Lys Val Pro Gly Asp Val
85 90 95

Ser	Leu	Gln	Leu	Ser	Thr	Leu	Glu	Met	Asp	Asp	Arg	Ser	His	Tyr	Thr	100	105	110	
Cys	Glu	Val	Thr	Trp	Gln	Thr	Pro	Asp	Gly	Asn	Gln	Val	Val	Arg	Asp	115	120	125	
Lys	Ile	Thr	Glu	Leu	Arg	Val	Gln	Lys	Leu	Ser	Val	Ser	Lys	Pro	Thr	130	135	140	
Val	Thr	Thr	Gly	Ser	Gly	Tyr	Gly	Phe	Thr	Val	Pro	Gln	Gly	Met	Arg	145	150	155	160
Ile	Ser	Leu	Gln	Cys	Gln	Ala	Arg	Gly	Ser	Pro	Pro	Ile	Ser	Tyr	Ile	165	170	175	
Trp	Tyr	Lys	Gln	Gln	Thr	Asn	Asn	Gln	Glu	Pro	Ile	Lys	Val	Ala	Thr	180	185	190	
Leu	Ser	Thr	Leu	Leu	Phe	Lys	Pro	Ala	Val	Ile	Ala	Asp	Ser	Gly	Ser	195	200	205	
Tyr	Phe	Cys	Thr	Ala	Lys	Gly	Gln	Val	Gly	Ser	Glu	Gln	His	Ser	Asp	210	215	220	
Ile	Val	Lys	Phe	Val	Val	Lys	Asp	Ser	Ser	Lys	Leu	Leu	Lys	Thr	Lys	225	230	235	240
Thr	Glu	Ala	Pro	Thr	Thr	Met	Thr	Tyr	Pro	Leu	Lys	Ala	Thr	Ser	Thr	245	250	255	
Val	Lys	Gln	Ser	Trp	Asp	Trp	Thr	Thr	Asp	Met	Asp	Gly	Tyr	Leu	Gly	260	265	270	
Glu	Thr	Ser	Ala	Gly	Pro	Gly	Lys	Ser	Leu	Pro	Val	Phe	Ala	Ile	Ile	275	280	285	
Leu	Ile	Ile	Ser	Leu	Cys	Cys	Met	Val	Val	Phe	Thr	Met	Ala	Tyr	Ile	290	295	300	
Met	Leu	Cys	Arg	Lys	Thr	Ser	Gln	Gln	Glu	His	Val	Tyr	Glu	Ala	Ala	305	310	315	320
Arg	Ala	His	Ala	Arg	Glu	Ala	Asn	Asp	Ser	Gly	Glu	Thr	Met	Arg	Val	325	330	335	
Ala	Ile	Phe	Ala	Ser	Gly	Cys	Ser	Ser	Asp	Glu	Pro	Thr	Ser	Gln	Asn	340	345	350	
Leu	Gly	Asn	Asn	Tyr	Ser	Asp	Glu	Pro	Cys	Ile	Gly	Gln	Glu	Tyr	Gln	355	360	365	
Ile	Ile	Ala	Gln	Ile	Asn	Gly	Asn	Tyr	Ala	Arg	Leu	Leu	Asp	Thr	Val	370	375	380	
Pro	Leu	Asp	Tyr	Glu	Phe	Leu	Ala	Thr	Glu	Gly	Lys	Ser	Val	Cys		385	390	395	

<210> 1237
<211> 399
<212> PRT
<213> Homo sapiens

<400> 1237

Met	Gly	Ile	Leu	Leu	Gly	Leu	Leu	Leu	Leu	Gly	His	Leu	Thr	Val	Asp
1				5					10					15	
Thr	Tyr	Gly	Arg	Pro	Ile	Leu	Glu	Val	Pro	Glu	Ser	Val	Thr	Gly	Pro
			20					25					30		
Trp	Lys	Gly	Asp	Val	Asn	Leu	Pro	Cys	Thr	Tyr	Asp	Pro	Leu	Gln	Gly
		35					40					45			
Tyr	Thr	Gln	Val	Leu	Val	Lys	Trp	Leu	Val	Gln	Arg	Gly	Ser	Asp	Pro
	50					55					60				
Val	Thr	Ile	Phe	Leu	Arg	Asp	Ser	Ser	Gly	Asp	His	Ile	Gln	Gln	Ala
65					70					75					80
Lys	Tyr	Gln	Gly	Arg	Leu	His	Val	Ser	His	Lys	Val	Pro	Gly	Asp	Val
				85					90					95	
Ser	Leu	Gln	Leu	Ser	Thr	Leu	Glu	Met	Asp	Asp	Arg	Ser	His	Tyr	Thr
		100						105					110		
Cys	Glu	Val	Thr	Trp	Gln	Thr	Pro	Asp	Gly	Asn	Gln	Val	Val	Arg	Asp
		115					120					125			
Lys	Ile	Thr	Glu	Leu	Arg	Val	Gln	Lys	Leu	Ser	Val	Ser	Lys	Pro	Thr
	130					135					140				
Val	Thr	Thr	Gly	Ser	Gly	Tyr	Gly	Phe	Thr	Val	Pro	Gln	Gly	Met	Arg
145					150					155					160
Ile	Ser	Leu	Gln	Cys	Gln	Ala	Arg	Gly	Ser	Pro	Pro	Ile	Ser	Tyr	Ile
			165						170					175	
Trp	Tyr	Lys	Gln	Gln	Thr	Asn	Asn	Gln	Glu	Pro	Ile	Lys	Val	Ala	Thr
			180					185					190		
Leu	Ser	Thr	Leu	Leu	Phe	Lys	Pro	Ala	Val	Ile	Ala	Asp	Ser	Gly	Ser
		195					200					205			
Tyr	Phe	Cys	Thr	Ala	Lys	Gly	Gln	Val	Gly	Ser	Glu	Gln	His	Ser	Asp
	210					215					220				
Ile	Val	Lys	Phe	Val	Val	Lys	Asp	Ser	Ser	Lys	Leu	Leu	Lys	Thr	Lys
225					230					235					240
Thr	Glu	Ala	Pro	Thr	Thr	Met	Thr	Tyr	Pro	Leu	Lys	Ala	Thr	Ser	Thr
				245					250					255	
Val	Lys	Gln	Ser	Trp	Asp	Trp	Thr	Thr	Asp	Met	Asp	Gly	Tyr	Leu	Gly

260	265	270
Glu Thr Ser Ala Gly Pro Gly Lys Ser Leu Pro Val Phe Ala Ile Ile		
275	280	285
Leu Ile Ile Ser Leu Cys Cys Met Val Val Phe Thr Met Ala Tyr Ile		
290	295	300
Met Leu Cys Arg Lys Thr Ser Gln Gln Glu His Val Tyr Glu Ala Ala		
305	310	315
Arg Ala His Ala Arg Glu Ala Asn Asp Ser Gly Glu Thr Met Arg Val		
325	330	335
Ala Ile Phe Ala Ser Gly Cys Ser Ser Asp Glu Pro Thr Ser Gln Asn		
340	345	350
Leu Gly Asn Asn Tyr Ser Asp Glu Pro Cys Ile Gly Gln Glu Tyr Gln		
355	360	365
Ile Ile Ala Gln Ile Asn Gly Asn Tyr Ala Arg Leu Leu Asp Thr Val		
370	375	380
Pro Leu Asp Tyr Glu Phe Leu Ala Thr Glu Gly Lys Ser Val Cys		
385	390	395

<210> 1238
 <211> 209
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (15)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (18)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (128)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (147)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (152)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1238

Met Ala Lys Phe Arg Arg Arg Thr Cys Ile Ile Leu Ala Leu Xaa Ile
1 5 10 15

Leu Xaa Ile Phe Ser Leu Met Met Gly Leu Lys Met Leu Arg Pro Asn
20 25 30

Thr Ala Thr Phe Gly Ala Pro Phe Gly Leu Asp Leu Leu Pro Glu Leu
35 40 45

His Gln Arg Thr Ile His Leu Gly Lys Asn Phe Asp Phe Gln Lys Ser
50 55 60

Asp Arg Ile Asn Ser Glu Thr Asn Thr Lys Asn Leu Lys Ser Val Glu
65 70 75 80

Ile Thr Met Lys Pro Ser Lys Ala Ser Glu Leu Asn Leu Asp Glu Leu
85 90 95

Pro Pro Leu Asn Asn Tyr Leu His Val Phe Tyr Tyr Ser Trp Tyr Gly
100 105 110

Asn Pro Gln Phe Asp Gly Lys Tyr Ile His Trp Asn His Pro Val Xaa
115 120 125

Glu His Trp Asp Pro Arg Ile Ala Lys Asn Tyr Pro Gln Gly Arg His
130 135 140

Asn Pro Xaa Asp Asp Ile Gly Xaa Ser Phe Tyr Pro Glu Leu Gly Ser
145 150 155 160

Tyr Ser Ser Arg Asp Pro Ser Val Ile Glu Thr His Met Arg Gln Met
165 170 175

Arg Ser Ala Ser Ile Gly Asn Tyr Cys Ile Tyr Ile Tyr Met Cys Val
180 185 190

Phe Val Ser Val Tyr Met His Ile Asn Asp Phe Leu Cys Asn Phe Asn
195 200 205

Ser

<210> 1239

<211> 81

<212> PRT

<213> Homo sapiens

<400> 1239

Tyr Phe Asp Ile Ser Lys His Leu His Gly Asn His Tyr Ile Asp Pro
1 5 10 15

Thr Cys Gly Phe Ser Ser Tyr Val His Leu Thr Arg Ile Tyr Tyr Phe
20 25 30

Arg Tyr Asn Leu Gln Met Ser His Leu Ile Ile Phe Tyr Asn Ile Pro
35 40 45

Tyr Phe Ile Lys Val Leu Leu Glu Lys Tyr Leu Pro Gln Arg Ser Phe
50 55 60

Cys His Cys Val Arg Cys Val Phe Glu Pro Thr Met Thr Glu Ser Lys
65 70 75 80

Phe

<210> 1240
<211> 133
<212> PRT
<213> Homo sapiens

<400> 1240
Met Ala Lys Phe Arg Arg Arg Thr Cys Ile Ile Leu Ala Leu Phe Ile
1 5 10 15

Leu Phe Ile Phe Ser Leu Met Met Gly Leu Lys Met Leu Arg Pro Asn
20 25 30

Thr Ala Thr Phe Gly Ala Pro Phe Gly Leu Asp Leu Leu Pro Glu Leu
35 40 45

His Gln Arg Thr Ile His Leu Gly Lys Asn Phe Asp Phe Gln Lys Ser
50 55 60

Asp Arg Ile Asn Ser Glu Thr Asn Thr Lys Asn Leu Lys Ser Val Glu
65 70 75 80

Ile Thr Met Lys Pro Ser Lys Ala Ser Glu Leu Asn Leu Asp Glu Leu
85 90 95

Pro Pro Leu Asn Asn Tyr Leu His Val Phe Tyr Tyr Ser Trp Tyr Gly
100 105 110

Asn Pro Gln Phe Asp Gly Lys Tyr Ile His Trp Asn His Pro Val Leu
115 120 125

Glu His Trp Asp Pro
130

<210> 1241
<211> 886
<212> PRT
<213> Homo sapiens

<220>
<221> SITE

<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (216)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (234)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (275)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (871)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1241
Met Ala Ala Arg Gly Arg Gly Leu Leu Leu Leu Thr Leu Ser Val Leu
1 5 10 15
Leu Ala Ala Gly Pro Ser Ala Ala Ala Xaa Lys Leu Asn Ile Pro Lys
20 25 30
Val Leu Leu Pro Phe Thr Arg Ala Thr Arg Val Asn Phe Thr Leu Glu
35 40 45
Ala Ser Glu Gly Cys Tyr Arg Trp Leu Ser Thr Arg Pro Glu Val Ala
50 55 60
Ser Ile Glu Pro Leu Gly Leu Asp Glu Gln Gln Cys Ser Gln Lys Ala
65 70 75 80
Val Val Gln Ala Arg Leu Thr Gln Pro Ala Arg Leu Thr Ser Ile Ile
85 90 95
Phe Ala Glu Asp Ile Thr Thr Gly Gln Val Leu Arg Cys Asp Ala Ile
100 105 110
Val Asp Leu Ile His Asp Ile Gln Ile Val Ser Thr Thr Arg Glu Leu
115 120 125
Tyr Leu Glu Asp Ser Pro Leu Glu Leu Lys Ile Gln Ala Leu Asp Ser
130 135 140
Glu Gly Asn Thr Phe Ser Thr Leu Ala Gly Leu Val Phe Glu Trp Thr
145 150 155 160
Ile Val Lys Asp Ser Glu Ala Asp Arg Phe Ser Asp Ser His Asn Ala
165 170 175

Leu	Arg	Ile	Leu	Thr	Phe	Leu	Glu	Ser	Thr	Tyr	Ile	Pro	Pro	Ser	Tyr	180	185	190
Ile	Ser	Glu	Met	Glu	Lys	Ala	Ala	Lys	Gln	Gly	Asp	Thr	Ile	Leu	Val	195	200	205
Ser	Gly	Met	Lys	Thr	Gly	Ser	Xaa	Lys	Leu	Lys	Ala	Arg	Ile	Gln	Glu	210	215	220
Ala	Val	Tyr	Lys	Asn	Val	Arg	Pro	Ala	Xaa	Val	Arg	Leu	Leu	Ile	Leu	225	230	235
Glu	Asn	Ile	Leu	Leu	Asn	Pro	Ala	Tyr	Asp	Val	Tyr	Leu	Met	Val	Gly	245	250	255
Thr	Ser	Ile	His	Tyr	Lys	Val	Gln	Lys	Ile	Arg	Gln	Gly	Lys	Ile	Thr	260	265	270
Glu	Leu	Xaa	Met	Pro	Ser	Asp	Gln	Tyr	Glu	Leu	Gln	Leu	Gln	Asn	Ser	275	280	285
Ile	Pro	Gly	Pro	Glu	Gly	Asp	Pro	Thr	Arg	Pro	Val	Ala	Val	Leu	Ala	290	295	300
Gln	Asp	Thr	Ser	Met	Val	Thr	Ala	Leu	Gln	Leu	Gly	Gln	Ser	Ser	Leu	305	310	315
Val	Leu	Gly	His	Arg	Ser	Ile	Arg	Met	Gln	Gly	Ala	Ser	Arg	Leu	Pro	325	330	335
Asn	Ser	Thr	Ile	Tyr	Val	Val	Glu	Pro	Gly	Tyr	Leu	Gly	Phe	Thr	Val	340	345	350
His	Pro	Gly	Asp	Arg	Trp	Val	Leu	Glu	Thr	Gly	Arg	Leu	Tyr	Glu	Ile	355	360	365
Thr	Ile	Glu	Val	Phe	Asp	Lys	Phe	Ser	Asn	Lys	Val	Tyr	Val	Ser	Asp	370	375	380
Asn	Ile	Arg	Ile	Glu	Thr	Val	Leu	Pro	Ala	Glu	Phe	Phe	Glu	Val	Leu	385	390	395
Ser	Ser	Ser	Gln	Asn	Gly	Ser	Tyr	His	Arg	Ile	Arg	Ala	Leu	Lys	Arg	405	410	415
Gly	Gln	Thr	Ala	Ile	Asp	Ala	Ala	Leu	Thr	Ser	Val	Val	Asp	Gln	Asp	420	425	430
Gly	Gly	Val	His	Ile	Leu	Gln	Val	Pro	Val	Trp	Asn	Gln	Gln	Glu	Val	435	440	445
Glu	Ile	His	Ile	Pro	Ile	Thr	Leu	Tyr	Pro	Ser	Ile	Leu	Thr	Phe	Pro	450	455	460
Trp	Gln	Pro	Lys	Thr	Gly	Ala	Tyr	Gln	Tyr	Thr	Ile	Arg	Ala	His	Gly	465	470	475

Gly	Ser	Gly	Asn	Phe	Ser	Trp	Ser	Ser	Ser	Ser	His	Leu	Val	Ala	Thr	
				485					490							
Val	Thr	Val	Lys	Gly	Val	Met	Thr	Thr	Gly	Ser	Asp	Ile	Gly	Phe	Ser	
				500					505							
Val	Ile	Gln	Ala	His	Asp	Val	Gln	Asn	Pro	Leu	His	Phe	Gly	Glu	Met	
				515					520							
Lys	Val	Tyr	Val	Ile	Glu	Pro	His	Ser	Met	Glu	Phe	Ala	Pro	Cys	Gln	
				530					535							
Val	Glu	Ala	Arg	Val	Gly	Gln	Ala	Leu	Glu	Leu	Pro	Leu	Arg	Ile	Ser	
				545					550							
Gly	Leu	Met	Pro	Gly	Gly	Ala	Ser	Glu	Val	Val	Thr	Leu	Ser	Asp	Cys	
				565					570							
Ser	His	Phe	Asp	Leu	Ala	Val	Glu	Val	Glu	Asn	Gln	Gly	Val	Phe	Gln	
				580					585							
Pro	Leu	Pro	Gly	Arg	Leu	Pro	Pro	Gly	Ser	Glu	His	Cys	Ser	Gly	Val	
				595					600							
Arg	Val	Lys	Ala	Glu	Ala	Gln	Gly	Ser	Thr	Thr	Leu	Leu	Val	Ser	Tyr	
				610					615							
Arg	His	Gly	His	Val	His	Leu	Ser	Ala	Lys	Ile	Thr	Ile	Ala	Ala	Tyr	
				625					630							
Leu	Pro	Leu	Lys	Ala	Val	Asp	Pro	Ser	Ser	Val	Ala	Leu	Val	Thr	Leu	
				645					650							
Gly	Ser	Ser	Lys	Glu	Met	Leu	Phe	Glu	Gly	Gly	Pro	Arg	Pro	Trp	Ile	
				660					665							
Leu	Glu	Pro	Ser	Lys	Phe	Phe	Gln	Asn	Val	Thr	Ala	Glu	Asp	Thr	Asp	
				675					680							
Ser	Ile	Gly	Leu	Ala	Leu	Phe	Ala	Pro	His	Ser	Ser	Arg	Asn	Tyr	Gln	
				690					695							
Gln	His	Trp	Ile	Leu	Val	Thr	Cys	Gln	Ala	Leu	Gly	Glu	Gln	Val	Ile	
				705					710							
Ala	Leu	Ser	Val	Gly	Asn	Lys	Pro	Ser	Leu	Thr	Asn	Pro	Phe	Pro	Ala	
				725					730							
Val	Glu	Pro	Ala	Val	Val	Lys	Phe	Val	Cys	Ala	Pro	Pro	Ser	Arg	Leu	
				740					745							
Thr	Leu	Val	Pro	Val	Tyr	Thr	Ser	Pro	Gln	Leu	Asp	Met	Ser	Cys	Pro	
				755					760							
Leu	Leu	Gln	Gln	Asn	Lys	Gln	Val	Val	Pro	Val	Ser	Ser	His	Arg	Asn	
				770					775							

Pro Leu Leu Asp Leu Ala Ala Tyr Asp Gln Glu Gly Arg Arg Phe Asp
785 790 795 800

Asn Phe Ser Ser Leu Ser Ile Gln Trp Glu Ser Thr Arg Pro Val Leu
805 810 815

Ala Ser Ile Glu Pro Glu Leu Pro Met Gln Leu Val Ser Gln Asp Asp
820 825 830

Glu Ser Gly Gln Lys Lys Leu His Gly Leu Gln Ala Ile Leu Val His
835 840 845

Glu Ala Ser Gly Thr Thr Ala Ser Leu Pro Leu Pro Leu Ala Thr Arg
850 855 860

Ser Pro Thr Ser Ala Leu Xaa Glu Gln Ser Ser Arg Met Thr Leu Trp
865 870 875 880

Cys Leu Cys Arg Pro Pro
885

<210> 1242
<211> 831
<212> PRT
<213> Homo sapiens

<400> 1242
Met Ala Ala Arg Gly Arg Gly Leu Leu Leu Leu Thr Leu Ser Val Leu
1 5 10 15

Leu Ala Ala Gly Pro Ser Ala Ala Ala Ala Lys Leu Asn Ile Pro Lys
20 25 30

Val Leu Leu Pro Phe Thr Arg Ala Thr Arg Val Asn Phe Thr Leu Glu
35 40 45

Ala Ser Glu Gly Cys Tyr Arg Trp Leu Ser Thr Arg Pro Glu Val Ala
50 55 60

Ser Ile Glu Pro Leu Gly Leu Asp Glu Gln Gln Cys Ser Gln Lys Ala
65 70 75 80

Val Val Gln Ala Arg Leu Thr Gln Pro Ala Arg Leu Thr Ser Ile Ile
85 90 95

Phe Ala Glu Asp Ile Thr Thr Gly Gln Val Leu Arg Cys Asp Ala Ile
100 105 110

Val Asp Leu Ile His Asp Ile Gln Ile Val Ser Thr Thr Arg Glu Leu
115 120 125

Tyr Leu Glu Asp Ser Pro Leu Glu Leu Lys Ile Gln Ala Leu Asp Ser
130 135 140

Glu Gly Asn Thr Phe Ser Thr Leu Ala Gly Leu Val Phe Glu Trp Thr

145		150		155		160
Ile Val Lys Asp Ser Glu Ala Asp Arg Phe Ser Asp Ser His Asn Ala						
	165			170		175
Leu Arg Ile Leu Thr Phe Leu Glu Ser Thr Tyr Ile Pro Pro Ser Tyr						
	180		185		190	
Ile Ser Glu Met Glu Lys Ala Ala Lys Gln Gly Asp Thr Ile Leu Val						
	195		200		205	
Ser Gly Met Lys Thr Gly Ser Ser Lys Leu Lys Ala Arg Ile Gln Glu						
	210		215		220	
Ala Val Tyr Lys Asn Val Arg Pro Ala Glu Val Arg Leu Leu Ile Leu						
	225		230		235	240
Glu Asn Ile Leu Leu Asn Pro Ala Tyr Asp Val Tyr Leu Met Val Gly						
	245		250		255	
Thr Ser Ile His Tyr Lys Val Gln Lys Ile Arg Gln Gly Lys Ile Thr						
	260		265		270	
Glu Leu Ser Met Pro Ser Asp Gln Tyr Glu Leu Gln Leu Gln Asn Ser						
	275		280		285	
Ile Pro Gly Pro Glu Gly Asp Pro Thr Arg Pro Val Ala Val Leu Ala						
	290		295		300	
Gln Asp Thr Ser Met Val Thr Ala Leu Gln Leu Gly Gln Ser Ser Leu						
	305		310		315	320
Val Leu Gly His Arg Ser Ile Arg Met Gln Gly Ala Ser Arg Leu Pro						
	325		330		335	
Asn Ser Thr Ile Tyr Val Val Glu Pro Gly Tyr Leu Gly Phe Thr Val						
	340		345		350	
His Pro Gly Asp Arg Trp Val Leu Glu Thr Gly Arg Leu Tyr Glu Ile						
	355		360		365	
Thr Ile Glu Val Phe Asp Lys Phe Ser Asn Lys Val Tyr Val Ser Asp						
	370		375		380	
Asn Ile Arg Ile Glu Thr Val Leu Pro Ala Glu Phe Phe Glu Val Leu						
	385		390		395	400
Ser Ser Ser Gln Asn Gly Ser Tyr His Arg Ile Arg Ala Leu Lys Arg						
	405		410		415	
Gly Gln Thr Ala Ile Asp Ala Ala Leu Thr Ser Val Val Asp Gln Asp						
	420		425		430	
Gly Gly Val His Ile Leu Gln Val Pro Val Trp Asn Gln Gln Glu Val						
	435		440		445	
Glu Ile His Ile Pro Ile Thr Leu Tyr Pro Ser Ile Leu Thr Phe Pro						

450		455		460
Trp Gln Pro Lys Thr Gly Ala Tyr Gln Tyr Thr Ile Arg Ala His Gly				
465		470		480
Gly Ser Gly Asn Phe Ser Trp Ser Ser Ser Ser His Leu Val Ala Thr				
	485		490	495
Val Thr Val Lys Gly Val Met Thr Thr Gly Ser Asp Ile Gly Phe Ser				
	500		505	510
Val Ile Gln Ala His Asp Val Gln Asn Pro Leu His Phe Gly Glu Met				
	515		520	525
Lys Val Tyr Val Ile Glu Pro His Ser Met Glu Phe Ala Pro Cys Gln				
	530		535	540
Val Glu Ala Arg Val Gly Gln Ala Leu Glu Leu Pro Leu Arg Ile Ser				
545		550		560
Gly Leu Met Pro Gly Gly Ala Ser Glu Val Val Thr Leu Ser Asp Cys				
	565		570	575
Ser His Phe Asp Leu Ala Val Glu Val Glu Asn Gln Gly Val Phe Gln				
	580		585	590
Pro Leu Pro Gly Arg Leu Pro Pro Gly Ser Glu His Cys Ser Gly Val				
	595		600	605
Arg Val Lys Ala Glu Ala Gln Gly Ser Thr Thr Leu Leu Val Ser Tyr				
	610		615	620
Arg His Gly His Val His Leu Ser Ala Lys Ile Thr Ile Ala Ala Tyr				
625		630		640
Leu Pro Leu Lys Ala Val Asp Pro Ser Ser Val Ala Leu Val Thr Leu				
	645		650	655
Gly Ser Ser Lys Glu Met Leu Phe Glu Gly Gly Pro Arg Pro Trp Ile				
	660		665	670
Leu Glu Pro Ser Lys Phe Phe Gln Asn Val Thr Ala Glu Asp Thr Asp				
	675		680	685
Ser Ile Gly Leu Ala Leu Phe Ala Pro His Ser Ser Arg Asn Tyr Gln				
	690		695	700
Gln His Trp Ile Leu Val Thr Cys Gln Ala Leu Gly Glu Gln Val Ile				
705		710		720
Ala Leu Ser Val Gly Asn Lys Pro Ser Leu Thr Asn Pro Phe Pro Ala				
	725		730	735
Val Glu Pro Ala Val Val Lys Phe Val Cys Ala Pro Pro Ser Arg Leu				
	740		745	750
Thr Leu Val Pro Val Tyr Thr Ser Pro Gln Leu Asp Met Ser Cys Pro				

<400> 1244

Ser Gly Trp Gln Val Pro Ser Ser Val Lys His Leu Pro Tyr Asp Asn
1 5 10 15

Leu Arg Ser His Cys Val Ala Asp Glu Gly Glu Thr Glu Val Glu Gly
20 25 30

Thr Arg Ala Thr Trp Val Glu His Ser Gly Arg Pro Gly Val Gly Ser
35 40 45

Gly Arg Pro Pro Gly Thr Ser Leu Thr Thr Leu Pro Leu Leu Leu Thr
50 55 60

His Leu Ser Leu Thr Cys Pro Leu Gly Gly Asp Phe Ser Lys Arg
65 70 75

<210> 1245

<211> 89

<212> PRT

<213> Homo sapiens

<400> 1245

Met Pro Val Pro Leu Leu Ala Ser Ala Ala Trp Cys His Leu Cys Ala
1 5 10 15

Gly Ala Leu Pro Ala Trp Leu Trp Leu Pro Trp Arg Ala Ala Ala Ala
20 25 30

Gln Trp His Val Cys Ala Ser His Cys Leu Pro Leu His Pro Ala Phe
35 40 45

Ser Ala Leu Gly Pro His Pro Asp Pro Gly Arg Ala Gly Pro Gly Ala
50 55 60

Ala Pro Arg Asp Cys Ala His Pro Glu Leu His Pro Leu Cys Leu Pro
65 70 75 80

Arg Trp Ser Leu Gln Leu Leu Pro Arg
85

<210> 1246

<211> 334

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (124)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (129)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (214)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (224)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1246

Met Asp Gln Ala Leu Ser Leu Trp Phe Leu Leu Gly Trp Ile Gly Gly
1 5 10 15

Asp Ser Cys Asn Leu Ile Gly Ser Phe Leu Ala Asp Gln Leu Pro Leu
20 25 30

Gln Thr Tyr Thr Ala Val Tyr Tyr Val Leu Ala Asp Leu Val Met Leu
35 40 45

Thr Leu Tyr Phe Tyr Tyr Lys Phe Arg Thr Arg Pro Ser Leu Leu Ser
50 55 60

Ala Pro Ile Asn Ser Val Leu Leu Phe Leu Met Gly Met Ala Cys Ala
65 70 75 80

Thr Pro Leu Leu Ser Ala Ala Gly Pro Val Ala Ala Pro Arg Glu Ala
85 90 95

Phe Arg Gly Arg Ala Leu Leu Ser Val Glu Ser Gly Ser Lys Pro Phe
100 105 110

Thr Arg Gln Glu Val Ile Gly Phe Val Ile Gly Xaa Ile Ser Ser Val
115 120 125

Xaa Tyr Leu Leu Ser Arg Leu Pro Gln Ile Arg Thr Asn Phe Leu Arg
130 135 140

Lys Ser Thr Gln Gly Ile Ser Tyr Ser Leu Phe Ala Leu Val Met Leu
145 150 155 160

Gly Asn Thr Leu Tyr Gly Leu Ser Val Leu Leu Lys Asn Pro Glu Glu
165 170 175

Gly Gln Ser Glu Gly Ser Tyr Leu Leu His His Leu Pro Trp Leu Val
180 185 190

Gly Ser Leu Gly Val Leu Leu Leu Asp Thr Ile Ile Ser Ile Gln Phe
195 200 205

Leu Val Tyr Arg Arg Xaa Pro Pro Pro Arg Ser Leu Ser Pro Ser Xaa
210 215 220

Pro Ala Asp Gln Asn Gln Ala Glu Arg Arg Arg Thr Gly Thr Thr Gly
225 230 235 240

Cys His Thr Arg Gln Glu Glu Val Trp Thr Val Met Val Arg Arg Pro
 245 250 255
 Cys Ile Ser Leu Arg Val Ala Ser Gly Ser Ser Val Asp Arg Thr Val
 260 265 270
 Pro Pro Gly Thr His Leu Gln Val Asp Pro Glu Ala Ser Arg Pro Gly
 275 280 285
 Leu Glu Arg Arg Pro Gln Gly Leu Ser Gly Asp Ser Glu Ala Ala Pro
 290 295 300
 Pro Thr Thr Tyr Leu Ile Leu Pro Thr Gln Asp Cys Pro Val Asn Ser
 305 310 315 320
 Arg Gln Leu Asn Lys Gln Ala Gly Tyr Ser Gly Ser His Leu
 325 330

<210> 1247
 <211> 226
 <212> PRT
 <213> Homo sapiens

<400> 1247
 Met Asp Gln Ala Leu Ser Leu Trp Phe Leu Leu Gly Trp Ile Gly Gly
 1 5 10 15
 Asp Ser Cys Asn Leu Ile Gly Ser Phe Leu Ala Asp Gln Leu Pro Leu
 20 25 30
 Gln Thr Tyr Thr Ala Val Tyr Tyr Val Leu Ala Asp Leu Val Met Leu
 35 40 45
 Thr Leu Tyr Phe Tyr Tyr Lys Phe Arg Thr Arg Pro Ser Leu Leu Ser
 50 55 60
 Ala Pro Ile Asn Ser Val Leu Leu Phe Leu Met Gly Met Ala Cys Ala
 65 70 75 80
 Thr Pro Leu Leu Ser Ala Ala Gly Pro Val Ala Ala Pro Arg Glu Ala
 85 90 95
 Phe Arg Gly Arg Ala Leu Leu Ser Val Glu Ser Gly Ser Lys Pro Phe
 100 105 110
 Thr Arg Gln Glu Val Ile Gly Phe Val Ile Gly Ser Ile Ser Ser Val
 115 120 125
 Leu Tyr Leu Leu Ser Arg Leu Pro Gln Ile Arg Thr Asn Phe Leu Arg
 130 135 140
 Lys Ser Thr Gln Gly Ile Ser Tyr Ser Leu Phe Ala Leu Val Met Leu
 145 150 155 160

Gly Asn Thr Leu Tyr Gly Leu Ser Val Leu Leu Lys Asn Pro Glu Glu
165 170 175

Gly Gln Ser Glu Gly Ser Tyr Leu Leu His His Leu Pro Trp Leu Val
180 185 190

Gly Ser Leu Gly Val Leu Leu Leu Asp Thr Ile Ile Ser Ile Gln Phe
195 200 205

Leu Val Tyr Arg Arg Ser Thr Ala Ala Ser Glu Leu Glu Pro Leu Leu
210 215 220

Pro Ser
225

<210> 1248
<211> 184
<212> PRT
<213> Homo sapiens

<400> 1248
Met Lys Ile Leu Val Ala Phe Leu Val Val Leu Thr Ile Phe Gly Ile
1 5 10 15

Gln Ser His Gly Tyr Glu Val Phe Asn Ile Ile Ser Pro Ser Asn Asn
20 25 30

Gly Gly Asn Val Gln Glu Thr Val Thr Ile Asp Asn Glu Lys Asn Thr
35 40 45

Ala Ile Ile Asn Ile His Ala Gly Ser Cys Ser Ser Thr Thr Ile Phe
50 55 60

Asp Tyr Lys His Gly Tyr Ile Ala Ser Arg Val Leu Ser Arg Arg Ala
65 70 75 80

Cys Phe Ile Leu Lys Met Asp His Gln Asn Ile Pro Pro Leu Asn Asn
85 90 95

Leu Gln Trp Tyr Ile Tyr Glu Lys Gln Ala Leu Asp Asn Met Phe Ser
100 105 110

Ser Lys Tyr Thr Trp Val Lys Tyr Asn Pro Leu Glu Ser Leu Ile Lys
115 120 125

Asp Val Asp Trp Phe Leu Leu Gly Ser Pro Ile Glu Lys Leu Cys Lys
130 135 140

His Ile Pro Leu Tyr Lys Gly Glu Val Val Glu Asn Thr His Asn Val
145 150 155 160

Gly Ala Gly Gly Cys Ala Lys Ala Gly Leu Leu Gly Ile Leu Gly Ile
165 170 175

Ser Ile Cys Ala Asp Ile His Val

180

<210> 1249
<211> 184
<212> PRT
<213> Homo sapiens

<400> 1249
Met Lys Ile Leu Val Ala Phe Leu Val Val Leu Thr Ile Phe Gly Ile
1 5 10 15
Gln Ser His Gly Tyr Glu Val Phe Asn Ile Ile Ser Pro Ser Asn Asn
20 25 30
Gly Gly Asn Val Gln Glu Thr Val Thr Ile Asp Asn Glu Lys Asn Thr
35 40 45
Ala Ile Ile Asn Ile His Ala Gly Ser Cys Ser Ser Thr Thr Ile Phe
50 55 60
Asp Tyr Lys His Gly Tyr Ile Ala Ser Arg Val Leu Ser Arg Arg Ala
65 70 75 80
Cys Phe Ile Leu Lys Met Asp His Gln Asn Ile Pro Pro Leu Asn Asn
85 90 95
Leu Gln Trp Tyr Ile Tyr Glu Lys Gln Ala Leu Asp Asn Met Phe Ser
100 105 110
Ser Lys Tyr Thr Trp Val Lys Tyr Asn Pro Leu Glu Ser Leu Ile Lys
115 120 125
Asp Val Asp Trp Phe Leu Leu Gly Ser Pro Ile Glu Lys Leu Cys Lys
130 135 140
His Ile Pro Leu Tyr Lys Gly Glu Val Val Glu Asn Thr His Asn Val
145 150 155 160
Gly Ala Gly Gly Cys Ala Lys Ala Gly Leu Leu Gly Ile Leu Gly Ile
165 170 175
Ser Ile Cys Ala Asp Ile His Val
180

<210> 1250
<211> 173
<212> PRT
<213> Homo sapiens

<400> 1250
Met Ala Val Arg Ala Leu Lys Leu Leu Thr Thr Leu Leu Ala Val Val
1 5 10 15

Ala Ala Ala Ser Gln Ala Glu Val Glu Ser Glu Ala Gly Trp Gly Met
 20 25 30
 Val Thr Pro Asp Leu Leu Phe Ala Glu Gly Thr Ala Ala Tyr Ala Arg
 35 40 45
 Gly Asp Trp Pro Gly Val Val Leu Ser Met Glu Arg Ala Leu Arg Ser
 50 55 60
 Arg Ala Ala Leu Arg Ala Leu Arg Leu Arg Cys Arg Thr Gln Cys Ala
 65 70 75 80
 Ala Asp Phe Pro Trp Glu Leu Asp Pro Asp Trp Ser Pro Ser Pro Ala
 85 90 95
 Gln Ala Ser Gly Ala Ala Ala Leu Arg Asp Leu Ser Phe Phe Gly Gly
 100 105 110
 Leu Leu Arg Arg Ala Ala Cys Leu Arg Arg Cys Leu Gly Pro Pro Ala
 115 120 125
 Ala Thr Arg Ser Ala Lys Arg Trp Ser Trp Ser Ser Ala Ser Gly Pro
 130 135 140
 Leu Gln Leu Pro Ala Gly Arg Leu Leu Gln Asp Gln Gln Val Gly Glu
 145 150 155 160
 Ser Cys Cys Cys Ser Thr His Leu Leu Arg Gly Gln Ser
 165 170

<210> 1251
 <211> 359
 <212> PRT
 <213> Homo sapiens

<400> 1251
 Met Ala Val Arg Ala Leu Lys Leu Leu Thr Thr Leu Leu Ala Val Val
 1 5 10 15
 Ala Ala Ala Ser Gln Ala Glu Val Glu Ser Glu Ala Gly Trp Gly Met
 20 25 30
 Val Thr Pro Asp Leu Leu Phe Ala Glu Gly Thr Ala Ala Tyr Ala Arg
 35 40 45
 Gly Asp Trp Pro Gly Val Val Leu Ser Met Glu Arg Ala Leu Arg Ser
 50 55 60
 Arg Ala Ala Leu Arg Ala Leu Arg Leu Arg Cys Arg Thr Gln Cys Ala
 65 70 75 80
 Ala Asp Phe Pro Trp Glu Leu Asp Pro Asp Trp Ser Pro Ser Pro Ala
 85 90 95
 Gln Ala Ser Gly Ala Ala Ala Leu Arg Asp Leu Ser Phe Phe Gly Gly

100					105					110					
Leu	Leu	Arg	Arg	Ala	Ala	Cys	Leu	Arg	Arg	Cys	Leu	Gly	Pro	Pro	Ala
		115					120					125			
Ala	His	Ser	Leu	Ser	Glu	Glu	Met	Glu	Leu	Glu	Phe	Arg	Lys	Arg	Ser
	130					135					140				
Pro	Tyr	Asn	Tyr	Leu	Gln	Val	Ala	Tyr	Phe	Lys	Ile	Asn	Lys	Leu	Glu
	145					150					155				160
Lys	Ala	Val	Ala	Ala	Ala	His	Thr	Phe	Phe	Val	Gly	Asn	Pro	Glu	His
			165						170					175	
Met	Glu	Met	Gln	Gln	Asn	Leu	Asp	Tyr	Tyr	Gln	Thr	Met	Ser	Gly	Val
			180					185					190		
Lys	Glu	Ala	Asp	Phe	Lys	Asp	Leu	Glu	Thr	Gln	Pro	His	Met	Gln	Glu
		195					200					205			
Phe	Arg	Leu	Gly	Val	Arg	Leu	Tyr	Ser	Glu	Glu	Gln	Pro	Gln	Glu	Ala
	210					215					220				
Val	Pro	His	Leu	Glu	Ala	Ala	Leu	Gln	Glu	Tyr	Phe	Val	Ala	Tyr	Glu
	225					230					235				240
Glu	Cys	Arg	Ala	Leu	Cys	Glu	Gly	Pro	Tyr	Asp	Tyr	Asp	Gly	Tyr	Asn
			245						250					255	
Tyr	Leu	Glu	Tyr	Asn	Ala	Asp	Leu	Phe	Gln	Ala	Ile	Thr	Asp	His	Tyr
		260						265					270		
Ile	Gln	Val	Leu	Asn	Cys	Lys	Gln	Asn	Cys	Val	Thr	Glu	Leu	Ala	Ser
		275					280					285			
His	Pro	Ser	Arg	Glu	Lys	Pro	Phe	Glu	Asp	Phe	Leu	Pro	Ser	His	Tyr
		290				295					300				
Asn	Tyr	Leu	Gln	Phe	Ala	Tyr	Tyr	Asn	Ile	Gly	Asn	Tyr	Thr	Gln	Ala
	305					310					315				320
Val	Glu	Cys	Ala	Lys	Thr	Tyr	Leu	Leu	Phe	Phe	Pro	Asn	Asp	Glu	Val
			325						330					335	
Met	Asn	Gln	Asn	Leu	Ala	Leu	Leu	Cys	Ser	Tyr	Ala	Trp	Arg	Arg	Thr
			340					345					350		
His	Gln	Ile	His	Arg	Pro	Pro									
			355												

<210> 1252
 <211> 77
 <212> PRT
 <213> Homo sapiens

<400> 1252

Met Thr Ile Phe Thr Pro Phe Leu Val Leu Leu Leu Leu Val Asn Ser
1 5 10 15

Pro Arg Phe Ser Thr Ile Thr Leu Met Arg Ser Gly Phe His Asn Pro
20 25 30

Ser Val Cys Leu Ser Phe Thr Leu Lys Pro Gln Cys Tyr Leu Val Leu
35 40 45

Met Tyr Gln Lys Asn Arg Arg Gln Asp Gly Ser Lys Val Phe Phe Lys
50 55 60

Thr Ala Arg Leu Lys Phe Tyr Leu Asn Ile Thr Ala Lys
65 70 75

<210> 1253

<211> 77

<212> PRT

<213> Homo sapiens

<400> 1253

Met Thr Ile Phe Thr Pro Phe Leu Val Leu Leu Leu Leu Val Asn Ser
1 5 10 15

Pro Arg Phe Ser Thr Ile Thr Leu Met Arg Ser Gly Phe His Asn Pro
20 25 30

Ser Val Cys Leu Ser Phe Thr Leu Lys Pro Gln Cys Tyr Leu Val Leu
35 40 45

Met Tyr Gln Lys Asn Arg Arg Gln Asp Gly Ser Lys Val Phe Phe Lys
50 55 60

Thr Ala Arg Leu Lys Phe Tyr Leu Asn Ile Thr Ala Lys
65 70 75

<210> 1254

<211> 140

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (136)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1254

Met Ala Ser Leu Gly Leu Gln Leu Val Gly Tyr Ile Leu Gly Leu Leu
1 5 10 15

Gly Leu Leu Gly Thr Leu Val Ala Met Leu Leu Pro Ser Trp Lys Thr
20 25 30

Ser Ser Tyr Val Gly Ala Ser Ile Val Thr Ala Val Gly Phe Ser Lys
 35 40 45
 Gly Leu Trp Met Glu Cys Ala Thr His Ser Thr Gly Ile Thr Gln Cys
 50 55 60
 Asp Ile Tyr Ser Thr Leu Leu Gly Leu Pro Ala Asp Ile Gln Ala Ala
 65 70 75 80
 Gln Ala Met Met Val Thr Ser Ser Ala Ile Ser Ser Leu Ala Cys Ile
 85 90 95
 Ile Ser Val Val Gly Met Arg Cys Thr Val Phe Cys Gln Glu Ser Arg
 100 105 110
 Ala Lys Asp Arg Val Ala Val Ala Gly Gly Val Phe Phe Ile Leu Gly
 115 120 125
 Ser Leu Leu Gly Phe Ile Pro Xaa Ala Trp Asn Leu
 130 135 140

<210> 1255
 <211> 86
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (33)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (43)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1255
 Arg Arg Phe Tyr Ser Pro Leu Val Pro Asp Ser Met Lys Phe Glu Ile
 1 5 10 15
 Gly Glu Ala Leu Tyr Leu Gly Ile Ile Ser Ser Leu Phe Ser Leu Ile
 20 25 30
 Xaa Gly Ile Ile Leu Cys Phe Ser Cys Ser Xaa Gln Arg Asn Arg Ser
 35 40 45
 Asn Tyr Tyr Asp Ala Tyr Gln Ala Gln Pro Leu Ala Thr Arg Ser Ser
 50 55 60
 Pro Arg Pro Gly Gln Pro Pro Lys Val Lys Ser Glu Phe Asn Ser Tyr
 65 70 75 80
 Ser Leu Thr Gly Tyr Val
 85

<210> 1256
<211> 230
<212> PRT
<213> Homo sapiens

<400> 1256
Met Ala Ser Leu Gly Leu Gln Leu Val Gly Tyr Ile Leu Gly Leu Leu
1 5 10 15
Gly Leu Leu Gly Thr Leu Val Ala Met Leu Leu Pro Ser Trp Lys Thr
20 25 30
Ser Ser Tyr Val Gly Ala Ser Ile Val Thr Ala Val Gly Phe Ser Lys
35 40 45
Gly Leu Trp Met Glu Cys Ala Thr His Ser Thr Gly Ile Thr Gln Cys
50 55 60
Asp Ile Tyr Ser Thr Leu Leu Gly Leu Pro Ala Asp Ile Gln Ala Ala
65 70 75 80
Gln Ala Met Met Val Thr Ser Ser Ala Ile Ser Ser Leu Ala Cys Ile
85 90 95
Ile Ser Val Val Gly Met Arg Cys Thr Val Phe Cys Gln Glu Ser Arg
100 105 110
Ala Lys Asp Arg Val Ala Val Ala Gly Gly Val Phe Phe Ile Leu Gly
115 120 125
Gly Leu Leu Gly Phe Ile Pro Val Ala Trp Asn Leu His Gly Ile Leu
130 135 140
Arg Asp Phe Tyr Ser Pro Leu Val Pro Asp Ser Met Lys Phe Glu Ile
145 150 155 160
Gly Glu Ala Leu Tyr Leu Gly Ile Ile Ser Ser Leu Phe Ser Leu Ile
165 170 175
Ala Gly Ile Ile Leu Cys Phe Ser Cys Ser Ser Gln Arg Asn Arg Ser
180 185 190
Asn Tyr Tyr Asp Ala Tyr Gln Ala Gln Pro Leu Ala Thr Arg Ser Ser
195 200 205
Pro Arg Pro Gly Gln Pro Pro Lys Val Lys Ser Glu Phe Asn Ser Tyr
210 215 220
Ser Leu Thr Gly Tyr Val
225 230

<210> 1257

<211> 331
<212> PRT
<213> Homo sapiens

<400> 1257

Met	Trp	Leu	Trp	Glu	Asp	Gln	Gly	Gly	Leu	Leu	Gly	Pro	Phe	Ser	Phe	
1				5					10					15		
Leu	Leu	Leu	Val	Leu	Leu	Leu	Val	Thr	Arg	Ser	Pro	Val	Asn	Ala	Cys	
			20					25					30			
Leu	Leu	Thr	Gly	Ser	Leu	Phe	Val	Leu	Leu	Arg	Val	Phe	Ser	Phe	Glu	
		35					40					45				
Pro	Val	Pro	Ser	Cys	Arg	Ala	Leu	Gln	Val	Leu	Lys	Pro	Arg	Asp	Arg	
	50					55					60					
Ile	Ser	Ala	Ile	Ala	His	Arg	Gly	Gly	Ser	His	Asp	Ala	Pro	Glu	Asn	
65					70					75					80	
Thr	Leu	Ala	Ala	Ile	Arg	Gln	Ala	Ala	Lys	Asn	Gly	Ala	Thr	Gly	Val	
				85					90					95		
Glu	Leu	Asp	Ile	Glu	Phe	Thr	Ser	Asp	Gly	Ile	Pro	Val	Leu	Met	His	
		100						105					110			
Asp	Asn	Thr	Val	Asp	Arg	Thr	Thr	Asp	Gly	Thr	Gly	Arg	Leu	Cys	Asp	
		115					120					125				
Leu	Thr	Phe	Glu	Gln	Ile	Arg	Lys	Leu	Asn	Pro	Ala	Ala	Asn	His	Arg	
	130					135					140					
Leu	Arg	Asn	Asp	Phe	Pro	Asp	Glu	Lys	Ile	Pro	Thr	Leu	Arg	Glu	Ala	
145					150					155					160	
Val	Ala	Glu	Cys	Leu	Asn	His	Asn	Leu	Thr	Ile	Phe	Phe	Asp	Val	Lys	
			165					170					175			
Gly	His	Ala	His	Lys	Ala	Thr	Glu	Ala	Leu	Lys	Lys	Met	Tyr	Met	Glu	
		180					185						190			
Phe	Pro	Gln	Leu	Tyr	Asn	Asn	Ser	Val	Val	Cys	Ser	Phe	Leu	Pro	Glu	
		195					200					205				
Val	Ile	Tyr	Lys	Met	Arg	Gln	Thr	Asp	Arg	Asp	Val	Ile	Thr	Ala	Leu	
	210					215					220					
Thr	His	Arg	Pro	Trp	Ser	Leu	Ser	His	Thr	Gly	Asp	Gly	Lys	Pro	Arg	
225					230					235					240	
Tyr	Asp	Thr	Phe	Trp	Lys	His	Phe	Ile	Phe	Val	Met	Met	Asp	Ile	Leu	
			245						250				255			
Leu	Asp	Trp	Ser	Met	His	Asn	Ile	Leu	Trp	Tyr	Leu	Cys	Gly	Ile	Ser	
		260					265					270				
Ala	Phe	Leu	Met	Gln	Lys	Asp	Phe	Val	Ser	Pro	Ala	Tyr	Leu	Lys	Lys	

275	280	285
Trp Ser Ala Lys Gly Ile Gln Val Val Gly Trp Thr Val Asn Thr Phe		
290	295	300
Asp Glu Lys Ser Tyr Tyr Glu Ser His Leu Gly Ser Ser Tyr Ile Thr		
305	310	315
Asp Ser Met Val Glu Asp Cys Glu Pro His Phe		
325	330	

<210> 1258
 <211> 27
 <212> PRT
 <213> Homo sapiens

<400> 1258
 Gly Thr Pro Ala Gly Thr Gly Pro Glu Phe Pro Gly Arg Pro Thr Arg
 1 5 10 15
 Pro Ile Gly Val His Leu His Ser Val Arg Asp
 20 25

<210> 1259
 <211> 485
 <212> PRT
 <213> Homo sapiens

<400> 1259
 Ala Arg Gly Arg Leu Leu Pro Trp Trp Leu Ala Ala Gly Cys Ser Met
 1 5 10 15
 Ser Arg Leu Gly Ala Leu Gly Gly Ala Arg Ala Gly Leu Gly Leu Leu
 20 25 30
 Leu Gly Thr Ala Ala Gly Leu Gly Phe Leu Cys Leu Leu Tyr Ser Gln
 35 40 45
 Arg Trp Lys Arg Thr Gln Arg His Gly Arg Ser Gln Ser Leu Pro Asn
 50 55 60
 Ser Leu Asp Tyr Thr Gln Thr Ser Asp Pro Gly Arg His Val Met Leu
 65 70 75 80
 Leu Arg Ala Val Pro Gly Gly Ala Gly Asp Ala Ser Val Leu Pro Ser
 85 90 95
 Leu Pro Arg Glu Gly Gln Glu Lys Val Leu Asp Arg Leu Asp Phe Val
 100 105 110
 Leu Thr Ser Leu Val Ala Leu Arg Arg Glu Val Glu Glu Leu Arg Ser
 115 120 125

Ser	Leu	Arg	Gly	Leu	Ala	Gly	Glu	Ile	Val	Gly	Glu	Val	Arg	Cys	His	130	135	140	
Met	Glu	Glu	Asn	Gln	Arg	Val	Ala	Arg	Arg	Arg	Arg	Phe	Pro	Phe	Val	145	150	155	160
Arg	Glu	Arg	Ser	Asp	Ser	Thr	Gly	Ser	Ser	Ser	Val	Tyr	Phe	Thr	Ala	165	170	175	
Ser	Ser	Gly	Ala	Thr	Phe	Thr	Asp	Ala	Glu	Ser	Glu	Gly	Gly	Tyr	Thr	180	185	190	
Thr	Ala	Asn	Ala	Glu	Ser	Asp	Asn	Glu	Arg	Asp	Ser	Asp	Lys	Glu	Ser	195	200	205	
Glu	Asp	Gly	Glu	Asp	Glu	Val	Ser	Cys	Glu	Thr	Val	Lys	Met	Gly	Arg	210	215	220	
Lys	Asp	Ser	Leu	Asp	Leu	Glu	Glu	Glu	Ala	Ala	Ser	Gly	Ala	Ser	Ser	225	230	235	240
Ala	Leu	Glu	Ala	Gly	Gly	Ser	Ser	Gly	Leu	Glu	Asp	Val	Leu	Pro	Leu	245	250	255	
Leu	Gln	Gln	Ala	Asp	Glu	Leu	His	Arg	Gly	Asp	Glu	Gln	Gly	Lys	Arg	260	265	270	
Glu	Gly	Phe	Gln	Leu	Leu	Leu	Asn	Asn	Lys	Leu	Val	Tyr	Gly	Ser	Arg	275	280	285	
Gln	Asp	Phe	Leu	Trp	Arg	Leu	Ala	Arg	Ala	Tyr	Ser	Asp	Met	Cys	Glu	290	295	300	
Leu	Thr	Glu	Glu	Val	Ser	Glu	Lys	Lys	Ser	Tyr	Ala	Leu	Asp	Gly	Lys	305	310	315	320
Glu	Glu	Ala	Glu	Ala	Ala	Leu	Glu	Lys	Gly	Asp	Glu	Ser	Ala	Asp	Cys	325	330	335	
His	Leu	Trp	Tyr	Ala	Val	Leu	Cys	Gly	Gln	Leu	Ala	Glu	His	Glu	Ser	340	345	350	
Ile	Gln	Arg	Arg	Ile	Gln	Ser	Gly	Phe	Ser	Phe	Lys	Glu	His	Val	Asp	355	360	365	
Lys	Ala	Ile	Ala	Leu	Gln	Pro	Glu	Asn	Pro	Met	Ala	His	Phe	Leu	Leu	370	375	380	
Gly	Arg	Trp	Cys	Tyr	Gln	Val	Ser	His	Leu	Ser	Trp	Leu	Glu	Lys	Lys	385	390	395	400
Thr	Ala	Thr	Ala	Leu	Leu	Glu	Ser	Pro	Leu	Ser	Ala	Thr	Val	Glu	Asp	405	410	415	
Ala	Leu	Gln	Ser	Phe	Leu	Lys	Ala	Glu	Glu	Leu	Gln	Pro	Gly	Phe	Ser	420	425	430	

Lys Ala Gly Arg Val Tyr Ile Ser Lys Cys Tyr Arg Glu Leu Gly Lys
 435 440 445
 Asn Ser Glu Ala Arg Trp Trp Met Lys Leu Ala Leu Glu Leu Pro Asp
 450 455 460
 Val Thr Lys Glu Asp Leu Ala Ile Gln Lys Asp Leu Glu Glu Leu Glu
 465 470 475 480
 Val Ile Leu Arg Asp
 485

<210> 1260
 <211> 470
 <212> PRT
 <213> Homo sapiens

<400> 1260
 Met Ser Arg Leu Gly Ala Leu Gly Gly Ala Arg Ala Gly Leu Gly Leu
 1 5 10 15
 Leu Leu Gly Thr Ala Ala Gly Leu Gly Phe Leu Cys Leu Leu Tyr Ser
 20 25 30
 Gln Arg Trp Lys Arg Thr Gln Arg His Gly Arg Ser Gln Ser Leu Pro
 35 40 45
 Asn Ser Leu Asp Tyr Thr Gln Thr Ser Asp Pro Gly Arg His Val Met
 50 55 60
 Leu Leu Arg Ala Val Pro Gly Gly Ala Gly Asp Ala Ser Val Leu Pro
 65 70 75 80
 Ser Leu Pro Arg Glu Gly Gln Glu Lys Val Leu Asp Arg Leu Asp Phe
 85 90 95
 Val Leu Thr Ser Leu Val Ala Leu Arg Arg Glu Val Glu Glu Leu Arg
 100 105 110
 Ser Ser Leu Arg Gly Leu Ala Gly Glu Ile Val Gly Glu Val Arg Cys
 115 120 125
 His Met Glu Glu Asn Gln Arg Val Ala Arg Arg Arg Arg Phe Pro Phe
 130 135 140
 Val Arg Glu Arg Ser Asp Ser Thr Gly Ser Ser Ser Val Tyr Phe Thr
 145 150 155 160
 Ala Ser Ser Gly Ala Thr Phe Thr Asp Ala Glu Ser Glu Gly Gly Tyr
 165 170 175
 Thr Thr Ala Asn Ala Glu Ser Asp Asn Glu Arg Asp Ser Asp Lys Glu
 180 185 190
 Ser Glu Asp Gly Glu Asp Glu Val Ser Cys Glu Thr Val Lys Met Gly

195	200	205
Arg Lys Asp Ser Leu Asp 210	Leu Glu Glu Glu Ala 215	Ala Ser Gly Ala Ser 220
Ser Ala Leu Glu Ala Gly 225	Gly Ser Ser Gly Leu 230	Glu Asp Val Leu Pro 235 240
Leu Leu Gln Gln Ala Asp 245	Glu Leu His Arg Gly 250	Asp Glu Gln Gly Lys 255
Arg Glu Gly Phe Gln Leu 260	Leu Leu Asn Asn Lys 265	Leu Val Tyr Gly Ser 270
Arg Gln Asp Phe Leu Trp 275	Arg Leu Ala Arg Ala 280	Tyr Ser Asp Met Cys 285
Glu Leu Thr Glu Glu Val 290	Ser Glu Lys Lys Ser 295	Tyr Ala Leu Asp Gly 300
Lys Glu Glu Ala Glu Ala 305	Ala Leu Glu Lys Gly 310	Asp Glu Ser Ala Asp 315 320
Cys His Leu Trp Tyr Ala 325	Val Leu Cys Gly Gln 330	Leu Ala Glu His Glu 335
Ser Ile Gln Arg Arg Ile 340	Gln Ser Gly Phe Ser 345	Phe Lys Glu His Val 350
Asp Lys Ala Ile Ala Leu 355	Gln Pro Glu Asn Pro 360	Met Ala His Phe Leu 365
Leu Gly Arg Trp Cys Tyr 370	Gln Val Ser His Leu 375	Ser Trp Leu Glu Lys 380
Lys Thr Ala Thr Ala Leu 385	Leu Glu Ser Pro Leu 390	Ser Ala Thr Val Glu 395 400
Asp Ala Leu Gln Ser Phe 405	Leu Lys Ala Glu Glu 410	Leu Gln Pro Gly Phe 415
Ser Lys Ala Gly Arg Val 420	Tyr Ile Ser Lys Cys 425	Tyr Arg Glu Leu Gly 430
Lys Asn Ser Glu Ala Arg 435	Trp Trp Met Lys Leu 440	Ala Leu Glu Leu Pro 445
Asp Val Thr Lys Glu Asp 450	Leu Ala Ile Gln Lys 455	Asp Leu Glu Glu Leu 460
Glu Val Ile Leu Arg Asp 465		

<210> 1261

<211> 37

<212> PRT

<213> Homo sapiens

<400> 1261

Met Pro Asp Lys Arg Glu Ala Thr Ala Ala Ala Val Ala Leu Phe Ile
1 5 10 15

Val Pro Leu Gly Val Trp Met Arg Gly Ser Arg Gly Tyr Ser Ala Ala
20 25 30

His Glu Gly Ser Leu
35

<210> 1262

<211> 37

<212> PRT

<213> Homo sapiens

<400> 1262

Met Pro Asp Lys Arg Glu Ala Thr Ala Ala Ala Val Ala Leu Phe Ile
1 5 10 15

Val Pro Leu Gly Val Trp Met Arg Gly Ser Arg Gly Tyr Ser Ala Ala
20 25 30

His Glu Gly Ser Leu
35

<210> 1263

<211> 105

<212> PRT

<213> Homo sapiens

<400> 1263

Met Leu Val Cys Met Leu Gly Cys Leu Ala Asn Leu Val Val Val Gly
1 5 10 15

Phe Leu Lys Glu Lys Thr Phe Pro Leu Ala Met Ala Arg Thr Arg Gly
20 25 30

Ser Ser Leu Ser Leu Leu Pro Thr Pro Pro Phe Pro Cys Pro Cys Pro
35 40 45

Asp Ala Ser Arg Leu Arg Glu Lys His Cys Ile Gln Thr Glu Gly Ser
50 55 60

Ala Ala Ser Phe Gln Lys Val Ile Gly Lys Ala Leu Glu Arg Arg Ala
65 70 75 80

Val Leu Gln Leu Ala Leu Phe Leu His His Pro Pro Ser Leu Cys Ile
85 90 95

Met His Leu Leu Leu Pro Pro Gly Leu

100

105

<210> 1264
 <211> 105
 <212> PRT
 <213> Homo sapiens

<400> 1264
 Met Leu Val Cys Met Leu Gly Cys Leu Ala Asn Leu Val Val Val Gly
 1 5 10 15
 Phe Leu Lys Glu Lys Thr Phe Pro Leu Ala Met Ala Arg Thr Arg Gly
 20 25 30
 Ser Ser Leu Ser Leu Leu Pro Thr Pro Pro Phe Pro Cys Pro Cys Pro
 35 40 45
 Asp Ala Ser Arg Leu Arg Glu Lys His Cys Ile Gln Thr Glu Gly Ser
 50 55 60
 Ala Ala Ser Phe Gln Lys Val Ile Gly Lys Ala Leu Glu Arg Arg Ala
 65 70 75 80
 Val Leu Gln Leu Ala Leu Phe Leu His His Pro Pro Ser Leu Cys Ile
 85 90 95
 Met His Leu Leu Leu Pro Pro Gly Leu
 100 105

<210> 1265
 <211> 101
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (101)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1265
 Met Thr Leu Cys Leu Val Thr Phe Leu Thr Ser Leu Pro Thr Ser Val
 1 5 10 15
 Pro Ala Cys Thr Ser Cys Trp Pro Gly Phe Met Arg Ser Ser Lys Asn
 20 25 30
 Ala Tyr Asp Thr His His Trp Gly Gly Gln Arg Ser Met Asn Leu Glu
 35 40 45
 Ser Leu Thr Cys Gly Gln Leu Ala Ile Arg Trp Thr Arg Gly Trp Met
 50 55 60
 Thr Arg Pro Arg Gln Val Trp Ala Met Pro Gly Gln Thr Val Asp Val

65		70		75		80									
Tyr	Leu	Gly	Arg	Met	Leu	Gln	Gly	Val	Val	Leu	Arg	Gly	Gln	Thr	Leu
				85					90					95	

Arg Gly Arg Ala Xaa
100

<210> 1266
<211> 50
<212> PRT
<213> Homo sapiens

<400> 1266															
Lys	Ala	Val	Thr	Gly	Trp	Ala	His	Trp	Leu	Thr	Pro	Ile	Ile	Pro	Ala
1				5					10					15	

Leu	Trp	Glu	Ala	Lys	Ala	Gly	Arg	Ser	Leu	Glu	Val	Arg	Ile	Ser	Arg
			20					25					30		

Pro	Ala	Trp	Ser	Thr	Trp	Gln	Asn	Leu	Val	Ser	Thr	Lys	Asn	Thr	Lys
		35					40					45			

Ile Arg
50

<210> 1267
<211> 120
<212> PRT
<213> Homo sapiens

<400> 1267															
Glu	Val	Leu	Phe	Ser	Asn	Asp	Ser	Val	Leu	Gly	His	Phe	Pro	His	Gln
1				5					10					15	

Ser	Pro	Asn	Glu	Arg	Ala	Arg	Leu	Tyr	Phe	Leu	Leu	Ala	Trp	Phe	His
			20					25					30		

Ala	Ile	Ile	Gln	Glu	Arg	Leu	Arg	Tyr	Ala	Pro	Leu	Gly	Trp	Ser	Lys
			35				40					45			

Lys	Tyr	Glu	Phe	Gly	Glu	Ser	Asp	Leu	Arg	Ser	Ala	Cys	Asp	Thr	Val
	50					55					60				

Asp	Thr	Trp	Leu	Asp	Asp	Thr	Ala	Lys	Ala	Ser	Val	Gly	His	Ala	Arg
65					70					75				80	

Thr	Asp	Ser	Gly	Arg	Val	Ser	Gly	Lys	Asp	Ala	Ala	Gly	Arg	Gly	Ala
				85				90						95	

Glu	Arg	Pro	Asp	Ser	Ala	Trp	Lys	Ser	Glu	Leu	Thr	Pro	Arg	Asp	Arg
			100				105						110		

Gln Ser Leu Ala Gly His Gly Glu
115 120

<210> 1268
<211> 103
<212> PRT
<213> Homo sapiens

<400> 1268
Met Met Cys Val Val Leu Thr Thr Leu Pro Cys Leu Thr Phe Ser Ile
1 5 10 15
Ala Val Thr Glu Val Gln Lys Ser Ile Asn Gly Ser Ala Asp Val Leu
20 25 30
Pro Asp Met Leu Pro Asp Leu Pro Val Ser Leu Val Leu Leu Ser Leu
35 40 45
Ile Met Val Asp Ile Ile Glu Lys Leu Arg Ile Tyr Pro Leu Arg Gly
50 55 60
Ser Gln Lys Ser Ser Glu Asn Gly His Ile His Ser Thr Ser Leu Gln
65 70 75 80
His Ile Lys Thr Val Thr Glu Gln Val Arg Gln Ser Pro Glu Asn Ala
85 90 95
Ala Ser Pro Gln Ala Thr Asn
100

<210> 1269
<211> 261
<212> PRT
<213> Homo sapiens

<400> 1269
Met Met Cys Val Val Leu Thr Thr Leu Pro Cys Leu Thr Phe Ser Ile
1 5 10 15
Ala Val Thr Glu Val Gln Lys Ser Ile Asn Gly Ser Ala Asp Val Leu
20 25 30
Pro Asp Met Leu Pro Asp Leu Pro Val Ser Leu Val Leu Leu Ser Leu
35 40 45
Ile Met Val Asp Ile Ile Glu Lys Leu Arg Ile Tyr Pro Leu Arg Gly
50 55 60
Ser Gln Lys Ser Ser Glu Asn Gly His Ile His Ser Thr Ser Leu Gln
65 70 75 80
His Ile Lys Thr Val Thr Glu Gln Val Arg Gln Ser Pro Glu Asn Ala
85 90 95

Ala Ser Pro Gln Ala Thr Asn Ser Thr Gln Val Ser Gln Pro Ser Gly
 100 105 110
 Ala Met Thr Arg Ser Gln Glu Ser Val Phe Met Gly Pro Gln Glu Pro
 115 120 125
 Ser Cys Asp Ser Gly Ile Leu Arg Met Met Ser Arg Arg Asp Val Arg
 130 135 140
 Ala Glu Leu Phe Leu Trp Ser Phe Leu Leu Trp Ser Asp Thr Ile Glu
 145 150 155 160
 Met Val Arg Val Ala Gly His Pro Asn Val Tyr Lys Ser Ser Trp Leu
 165 170 175
 Tyr Pro Val Tyr Ile Phe Ser Phe Ile Ser Leu Leu Arg Ile Thr Phe
 180 185 190
 Thr Pro Gln Asn Pro Leu Leu Asn Ser Leu Ser Val Leu Leu Gln Asp
 195 200 205
 Leu Pro Phe Val Phe Val Arg Leu Gly Leu Ile Ile Ala Leu Gly Thr
 210 215 220
 Ile Thr Pro Val Leu Gly Leu Cys Lys Asn Ile Leu Val Thr Leu Ser
 225 230 235 240
 Tyr Ile Tyr Phe Asn Tyr Leu Thr Arg Ile Arg Ile Phe Ser Ala Phe
 245 250 255
 Glu Met Ser Pro Phe
 260

<210> 1270

<211> 277

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (158)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (277)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1270

Met Gly Leu Arg Ser Trp Leu Ala Ala Pro Trp Gly Ala Leu Pro Pro
 1 5 10 15

Arg Pro Pro Leu Leu Leu Leu Leu Leu Leu Leu Leu Leu Gln Pro
 20 25 30

Pro Pro Pro Thr Trp Ala Leu Ser Pro Arg Ile Ser Leu Pro Leu Gly
 35 40 45
 Ser Glu Glu Arg Pro Phe Leu Arg Phe Glu Ala Glu His Ile Ser Asn
 50 55 60
 Tyr Thr Ala Leu Leu Leu Ser Arg Asp Gly Arg Thr Leu Tyr Val Gly
 65 70 75 80
 Ala Arg Glu Ala Leu Phe Ala Leu Ser Ser Asn Leu Ser Phe Leu Pro
 85 90 95
 Gly Gly Glu Tyr Gln Glu Leu Leu Trp Gly Ala Asp Ala Glu Lys Lys
 100 105 110
 Gln Gln Cys Ser Phe Lys Gly Lys Asp Pro Gln Arg Asp Cys Gln Asn
 115 120 125
 Tyr Ile Lys Ile Leu Leu Pro Leu Ser Gly Ser His Leu Phe Thr Cys
 130 135 140
 Gly Thr Ala Ala Phe Ser Pro Met Cys Thr Tyr Ile Asn Xaa Glu Asn
 145 150 155 160
 Phe Thr Leu Ala Arg Asp Glu Lys Gly Asn Val Leu Leu Glu Asp Gly
 165 170 175
 Lys Gly Arg Cys Pro Phe Asp Pro Asn Phe Lys Ser Thr Ala Leu Val
 180 185 190
 Val Asp Gly Glu Leu Tyr Thr Gly Thr Val Ser Ser Phe Gln Gly Asn
 195 200 205
 Asp Pro Ala Ile Ser Arg Ser Gln Ser Leu Arg Pro Thr Lys Thr Glu
 210 215 220
 Ser Ser Leu Asn Trp Leu Gln Asp Pro Ala Phe Val Ala Ser Ala Tyr
 225 230 235 240
 Ile Pro Glu Ser Leu Gly Ser Leu Gln Gly Asp Asp Asp Lys Ile Tyr
 245 250 255
 Phe Phe Phe Ser Glu Thr Gly Gln Glu Phe Glu Phe Phe Glu Asn Thr
 260 265 270
 Ile Val Ser Gly Xaa
 275

<210> 1271
 <211> 832
 <212> PRT
 <213> Homo sapiens

 <400> 1271

Met	Gly	Leu	Arg	Ser	Trp	Leu	Ala	Ala	Pro	Trp	Gly	Ala	Leu	Pro	Pro	1	5	10	15
Arg	Pro	Pro	Leu	Leu	Leu	Leu	Leu	Leu	Leu	Leu	Leu	Leu	Gln	Pro	20	25	30		
Pro	Pro	Pro	Thr	Trp	Ala	Leu	Ser	Pro	Arg	Ile	Ser	Leu	Pro	Leu	Gly	35	40	45	
Ser	Glu	Glu	Arg	Pro	Phe	Leu	Arg	Phe	Glu	Ala	Glu	His	Ile	Ser	Asn	50	55	60	
Tyr	Thr	Ala	Leu	Leu	Leu	Ser	Arg	Asp	Gly	Arg	Thr	Leu	Tyr	Val	Gly	65	70	75	80
Ala	Arg	Glu	Ala	Leu	Phe	Ala	Leu	Ser	Ser	Asn	Leu	Ser	Phe	Leu	Pro	85	90	95	
Gly	Gly	Glu	Tyr	Gln	Glu	Leu	Leu	Trp	Gly	Ala	Asp	Ala	Glu	Lys	Lys	100	105	110	
Gln	Gln	Cys	Ser	Phe	Lys	Gly	Lys	Asp	Pro	Gln	Arg	Asp	Cys	Gln	Asn	115	120	125	
Tyr	Ile	Lys	Ile	Leu	Leu	Pro	Leu	Ser	Gly	Ser	His	Leu	Phe	Thr	Cys	130	135	140	
Gly	Thr	Ala	Ala	Phe	Ser	Pro	Met	Cys	Thr	Tyr	Ile	Asn	Met	Glu	Asn	145	150	155	160
Phe	Thr	Leu	Ala	Arg	Asp	Glu	Lys	Gly	Asn	Val	Leu	Leu	Glu	Asp	Gly	165	170	175	
Lys	Gly	Arg	Cys	Pro	Phe	Asp	Pro	Asn	Phe	Lys	Ser	Thr	Ala	Leu	Val	180	185	190	
Val	Asp	Gly	Glu	Leu	Tyr	Thr	Gly	Thr	Val	Ser	Ser	Phe	Gln	Gly	Asn	195	200	205	
Asp	Pro	Ala	Ile	Ser	Arg	Ser	Gln	Ser	Leu	Arg	Pro	Thr	Lys	Thr	Glu	210	215	220	
Ser	Ser	Leu	Asn	Trp	Leu	Gln	Asp	Pro	Ala	Phe	Val	Ala	Ser	Ala	Tyr	225	230	235	240
Ile	Pro	Glu	Ser	Leu	Gly	Ser	Leu	Gln	Gly	Asp	Asp	Asp	Lys	Ile	Tyr	245	250	255	
Phe	Phe	Phe	Ser	Glu	Thr	Gly	Gln	Glu	Phe	Glu	Phe	Phe	Glu	Asn	Thr	260	265	270	
Ile	Val	Ser	Arg	Ile	Ala	Arg	Ile	Cys	Lys	Gly	Asp	Glu	Gly	Gly	Glu	275	280	285	
Arg	Val	Leu	Gln	Gln	Arg	Trp	Thr	Ser	Phe	Leu	Lys	Ala	Gln	Leu	Leu	290	295	300	

Cys	Ser	Arg	Pro	Asp	Asp	Gly	Phe	Pro	Phe	Asn	Val	Leu	Gln	Asp	Val	305	310	315	320
Phe	Thr	Leu	Ser	Pro	Ser	Pro	Gln	Asp	Trp	Arg	Asp	Thr	Leu	Phe	Tyr	325	330	335	
Gly	Val	Phe	Thr	Ser	Gln	Trp	His	Arg	Gly	Thr	Thr	Glu	Gly	Ser	Ala	340	345	350	
Val	Cys	Val	Phe	Thr	Met	Lys	Asp	Val	Gln	Arg	Val	Phe	Ser	Gly	Leu	355	360	365	
Tyr	Lys	Glu	Val	Asn	Arg	Glu	Thr	Gln	Gln	Trp	Tyr	Thr	Val	Thr	His	370	375	380	
Pro	Val	Pro	Thr	Pro	Arg	Pro	Gly	Ala	Cys	Ile	Thr	Asn	Ser	Ala	Arg	385	390	395	400
Glu	Arg	Lys	Ile	Asn	Ser	Ser	Leu	Gln	Leu	Pro	Asp	Arg	Val	Leu	Asn	405	410	415	
Phe	Leu	Lys	Asp	His	Phe	Leu	Met	Asp	Gly	Gln	Val	Arg	Ser	Arg	Met	420	425	430	
Leu	Leu	Leu	Gln	Pro	Gln	Ala	Arg	Tyr	Gln	Arg	Val	Ala	Val	His	Arg	435	440	445	
Val	Pro	Gly	Leu	His	His	Thr	Tyr	Asp	Val	Leu	Phe	Leu	Gly	Thr	Gly	450	455	460	
Asp	Gly	Arg	Leu	His	Lys	Ala	Val	Ser	Val	Gly	Pro	Arg	Val	His	Ile	465	470	475	480
Ile	Glu	Glu	Leu	Gln	Ile	Phe	Ser	Ser	Gly	Gln	Pro	Val	Gln	Asn	Leu	485	490	495	
Leu	Leu	Asp	Thr	His	Arg	Gly	Leu	Leu	Tyr	Ala	Ala	Ser	His	Ser	Gly	500	505	510	
Val	Val	Gln	Val	Pro	Met	Ala	Asn	Cys	Ser	Leu	Tyr	Arg	Ser	Cys	Gly	515	520	525	
Asp	Cys	Leu	Leu	Ala	Arg	Asp	Pro	Tyr	Cys	Ala	Trp	Ser	Gly	Ser	Ser	530	535	540	
Cys	Lys	His	Val	Ser	Leu	Tyr	Gln	Pro	Gln	Leu	Ala	Thr	Arg	Pro	Trp	545	550	555	560
Ile	Gln	Asp	Ile	Glu	Gly	Ala	Ser	Ala	Lys	Asp	Leu	Cys	Ser	Ala	Ser	565	570	575	
Ser	Val	Val	Ser	Pro	Ser	Phe	Val	Pro	Thr	Gly	Glu	Lys	Pro	Cys	Glu	580	585	590	
Gln	Val	Gln	Phe	Gln	Pro	Asn	Thr	Val	Asn	Thr	Leu	Ala	Cys	Pro	Leu	595	600	605	

Leu Ser Asn Leu Ala Thr Arg Leu Trp Leu Arg Asn Gly Ala Pro Val
 610 615 620
 Asn Ala Ser Ala Ser Cys His Val Leu Pro Thr Gly Asp Leu Leu Leu
 625 630 635 640
 Val Gly Thr Gln Gln Leu Gly Glu Phe Gln Cys Trp Ser Leu Glu Glu
 645 650 655
 Gly Phe Gln Gln Leu Val Ala Ser Tyr Cys Pro Glu Val Val Glu Asp
 660 665 670
 Gly Val Ala Asp Gln Thr Asp Glu Gly Gly Ser Val Pro Val Ile Ile
 675 680 685
 Ser Thr Ser Arg Val Ser Ala Pro Ala Gly Gly Lys Ala Ser Trp Gly
 690 695 700
 Ala Asp Arg Ser Tyr Trp Lys Glu Phe Leu Val Met Cys Thr Leu Phe
 705 710 715 720
 Val Leu Ala Val Leu Leu Pro Val Leu Phe Leu Leu Tyr Arg His Arg
 725 730 735
 Asn Ser Met Lys Val Phe Leu Lys Gln Gly Glu Cys Ala Ser Val His
 740 745 750
 Pro Lys Thr Cys Pro Val Val Leu Pro Pro Glu Thr Arg Pro Leu Asn
 755 760 765
 Gly Leu Gly Pro Pro Ser Thr Pro Leu Asp His Arg Gly Tyr Gln Ser
 770 775 780
 Leu Ser Asp Ser Pro Pro Gly Ala Arg Val Phe Thr Glu Ser Glu Lys
 785 790 795 800
 Arg Pro Leu Ser Ile Gln Asp Ser Phe Val Glu Val Ser Pro Val Cys
 805 810 815
 Pro Arg Pro Arg Val Arg Leu Gly Ser Glu Ile Arg Asp Ser Val Val
 820 825 830

<210> 1272
 <211> 196
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (12)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (22)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (55)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (147)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (156)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (184)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1272
 Met Gly Lys Trp Lys Glu Ser Leu Gln Asn Ala Xaa His Leu Pro Pro
 1 5 10 15
 Ile Leu Leu Leu Arg Xaa Ile His Leu Phe Cys Ala Val Leu Ala Gly
 20 25 30
 Gly Lys Glu Asn Gly Gln Met Ala Val Ser Asp Gly Ser Val Lys Gly
 35 40 45
 Leu Leu Ser Val Val Arg Xaa Trp Ser Arg Gly Pro Ala Pro Asp Pro
 50 55 60
 Cys Leu Val Pro Leu Ala Leu Glu Ala Leu Val Gly Ala Val His Val
 65 70 75 80
 Leu His Ala Ser Arg Ala Pro Pro Arg Gly Pro Glu Leu Arg Ala Leu
 85 90 95
 Leu Glu Ser Tyr Phe His Val Leu Asn Ala Asp Trp Pro Ala Gly Leu
 100 105 110
 Ser Ser Gly Pro Glu Glu Ala Leu Val Thr Leu Arg Val Ser Met Leu
 115 120 125
 Asp Ala Ile Pro Met Met Leu His Val Lys Thr Gly Gln Cys Leu Gln
 130 135 140
 Pro Pro Xaa Ser Ala Thr Ile Ala Leu Asn Thr Xaa Leu Gly Ser Phe
 145 150 155 160
 Lys Asn Lys Gln Gly Ser Trp Thr Lys Thr Gln Thr His Cys Ser Pro

	165		170		175
Cys Ser Gln Ser Ala Asp Leu Xaa His Glu Val Thr Pro Leu Gly Pro					
	180		185		190
Arg Arg Trp Leu					
	195				

<210> 1273
 <211> 347
 <212> PRT
 <213> Homo sapiens

<400> 1273	
Met Ser Ser Trp Ser Arg Gln Arg Pro Lys Ser Pro Gly Gly Ile Gln	
1 5 10 15	
Pro His Val Ser Arg Thr Leu Phe Leu Leu Leu Leu Leu Ala Ala Ser	
20 25 30	
Ala Trp Gly Val Thr Leu Ser Pro Lys Asp Cys Gln Val Phe Arg Ser	
35 40 45	
Asp His Gly Ser Ser Ile Ser Cys Gln Pro Pro Ala Glu Ile Pro Gly	
50 55 60	
Tyr Leu Pro Ala Asp Thr Val His Leu Ala Val Glu Phe Phe Asn Leu	
65 70 75 80	
Thr His Leu Pro Ala Asn Leu Leu Gln Gly Ala Ser Lys Leu Gln Glu	
85 90 95	
Leu His Leu Ser Ser Asn Gly Leu Glu Ser Leu Ser Pro Glu Phe Leu	
100 105 110	
Arg Pro Val Pro Gln Leu Arg Val Leu Asp Leu Thr Arg Asn Ala Leu	
115 120 125	
Thr Gly Leu Pro Ser Gly Leu Phe Gln Ala Ser Ala Thr Leu Asp Thr	
130 135 140	
Leu Val Leu Lys Glu Asn Gln Leu Glu Val Leu Glu Val Ser Trp Leu	
145 150 155 160	
His Gly Leu Lys Ala Leu Gly His Leu Asp Leu Ser Gly Asn Arg Leu	
165 170 175	
Arg Lys Leu Pro Pro Gly Leu Leu Ala Asn Phe Thr Leu Leu Arg Thr	
180 185 190	
Leu Asp Leu Gly Glu Asn Gln Leu Glu Thr Leu Pro Pro Asp Leu Leu	
195 200 205	
Arg Gly Pro Leu Gln Leu Glu Arg Leu His Leu Glu Gly Asn Lys Leu	
210 215 220	

Gln Val Leu Gly Lys Asp Leu Leu Leu Pro Gln Pro Asp Leu Arg Tyr
 225 230 235 240
 Leu Phe Leu Asn Gly Asn Lys Leu Ala Arg Val Ala Ala Gly Ala Phe
 245 250 255
 Gln Gly Leu Arg Gln Leu Asp Met Leu Asp Leu Ser Asn Asn Ser Leu
 260 265 270
 Ala Ser Val Pro Glu Gly Leu Trp Ala Ser Leu Gly Gln Pro Asn Trp
 275 280 285
 Asp Met Arg Asp Gly Phe Asp Ile Ser Gly Asn Pro Trp Ile Cys Asp
 290 295 300
 Gln Asn Leu Ser Asp Leu Tyr Arg Trp Leu Gln Ala Gln Lys Asp Lys
 305 310 315 320
 Met Phe Ser Gln Asn Asp Thr Arg Cys Ala Gly Pro Glu Ala Val Lys
 325 330 335
 Gly Gln Thr Leu Leu Ala Val Ala Lys Ser Gln
 340 345

<210> 1274
 <211> 347
 <212> PRT
 <213> Homo sapiens

<400> 1274

Met Ser Ser Trp Ser Arg Gln Arg Pro Lys Ser Pro Gly Gly Ile Gln
 1 5 10 15
 Pro His Val Ser Arg Thr Leu Phe Leu Leu Leu Leu Ala Ala Ser
 20 25 30
 Ala Trp Gly Val Thr Leu Ser Pro Lys Asp Cys Gln Val Phe Arg Ser
 35 40 45
 Asp His Gly Ser Ser Ile Ser Cys Gln Pro Pro Ala Glu Ile Pro Gly
 50 55 60
 Tyr Leu Pro Ala Asp Thr Val His Leu Ala Val Glu Phe Phe Asn Leu
 65 70 75 80
 Thr His Leu Pro Ala Asn Leu Leu Gln Gly Ala Ser Lys Leu Gln Glu
 85 90 95
 Leu His Leu Ser Ser Asn Gly Leu Glu Ser Leu Ser Pro Glu Phe Leu
 100 105 110
 Arg Pro Val Pro Gln Leu Arg Val Leu Asp Leu Thr Arg Asn Ala Leu
 115 120 125

Thr Gly Leu Pro Ser Gly Leu Phe Gln Ala Ser Ala Thr Leu Asp Thr
 130 135 140
 Leu Val Leu Lys Glu Asn Gln Leu Glu Val Leu Glu Val Ser Trp Leu
 145 150 155 160
 His Gly Leu Lys Ala Leu Gly His Leu Asp Leu Ser Gly Asn Arg Leu
 165 170 175
 Arg Lys Leu Pro Pro Gly Leu Leu Ala Asn Phe Thr Leu Leu Arg Thr
 180 185 190
 Leu Asp Leu Gly Glu Asn Gln Leu Glu Thr Leu Pro Pro Asp Leu Leu
 195 200 205
 Arg Gly Pro Leu Gln Leu Glu Arg Leu His Leu Glu Gly Asn Lys Leu
 210 215 220
 Gln Val Leu Gly Lys Asp Leu Leu Leu Pro Gln Pro Asp Leu Arg Tyr
 225 230 235 240
 Leu Phe Leu Asn Gly Asn Lys Leu Ala Arg Val Ala Ala Gly Ala Phe
 245 250 255
 Gln Gly Leu Arg Gln Leu Asp Met Leu Asp Leu Ser Asn Asn Ser Leu
 260 265 270
 Ala Ser Val Pro Glu Gly Leu Trp Ala Ser Leu Gly Gln Pro Asn Trp
 275 280 285
 Asp Met Arg Asp Gly Phe Asp Ile Ser Gly Asn Pro Trp Ile Cys Asp
 290 295 300
 Gln Asn Leu Ser Asp Leu Tyr Arg Trp Leu Gln Ala Gln Lys Asp Lys
 305 310 315 320
 Met Phe Ser Gln Asn Asp Thr Arg Cys Ala Gly Pro Glu Ala Val Lys
 325 330 335
 Gly Gln Thr Leu Leu Ala Val Ala Lys Ser Gln
 340 345

<210> 1275

<211> 347

<212> PRT

<213> Homo sapiens

<400> 1275

Met Ser Ser Trp Ser Arg Gln Arg Pro Lys Ser Pro Gly Gly Ile Gln
 1 5 10 15

Pro His Val Ser Arg Thr Leu Phe Leu Leu Leu Leu Ala Ala Ser
 20 25 30

Ala Trp Gly Val Thr Leu Ser Pro Lys Asp Cys Gln Val Phe Arg Ser

35					40					45					
Asp	His	Gly	Ser	Ser	Ile	Ser	Cys	Gln	Pro	Pro	Ala	Glu	Ile	Pro	Gly
50						55					60				
Tyr	Leu	Pro	Ala	Asp	Thr	Val	His	Leu	Ala	Val	Glu	Phe	Phe	Asn	Leu
65					70					75					80
Thr	His	Leu	Pro	Ala	Asn	Leu	Leu	Gln	Gly	Ala	Ser	Lys	Leu	Gln	Glu
				85					90					95	
Leu	His	Leu	Ser	Ser	Asn	Gly	Leu	Glu	Ser	Leu	Ser	Pro	Glu	Phe	Leu
			100					105					110		
Arg	Pro	Val	Pro	Gln	Leu	Arg	Val	Leu	Asp	Leu	Thr	Arg	Asn	Ala	Leu
		115					120					125			
Thr	Gly	Leu	Pro	Ser	Gly	Leu	Phe	Gln	Ala	Ser	Ala	Thr	Leu	Asp	Thr
	130					135					140				
Leu	Val	Leu	Lys	Glu	Asn	Gln	Leu	Glu	Val	Leu	Glu	Val	Ser	Trp	Leu
145					150				155						160
His	Gly	Leu	Lys	Ala	Leu	Gly	His	Leu	Asp	Leu	Ser	Gly	Asn	Arg	Leu
			165						170					175	
Arg	Lys	Leu	Pro	Pro	Gly	Leu	Leu	Ala	Asn	Phe	Thr	Leu	Leu	Arg	Thr
			180					185					190		
Leu	Asp	Leu	Gly	Glu	Asn	Gln	Leu	Glu	Thr	Leu	Pro	Pro	Asp	Leu	Leu
	195						200					205			
Arg	Gly	Pro	Leu	Gln	Leu	Glu	Arg	Leu	His	Leu	Glu	Gly	Asn	Lys	Leu
	210					215					220				
Gln	Val	Leu	Gly	Lys	Asp	Leu	Leu	Leu	Pro	Gln	Pro	Asp	Leu	Arg	Tyr
225					230					235					240
Leu	Phe	Leu	Asn	Gly	Asn	Lys	Leu	Ala	Arg	Val	Ala	Ala	Gly	Ala	Phe
			245						250					255	
Gln	Gly	Leu	Arg	Gln	Leu	Asp	Met	Leu	Asp	Leu	Ser	Asn	Asn	Ser	Leu
			260					265					270		
Ala	Ser	Val	Pro	Glu	Gly	Leu	Trp	Ala	Ser	Leu	Gly	Gln	Pro	Asn	Trp
		275					280					285			
Asp	Met	Arg	Asp	Gly	Phe	Asp	Ile	Ser	Gly	Asn	Pro	Trp	Ile	Cys	Asp
	290					295					300				
Gln	Asn	Leu	Ser	Asp	Leu	Tyr	Arg	Trp	Leu	Gln	Ala	Gln	Lys	Asp	Lys
305					310					315					320
Met	Phe	Ser	Gln	Asn	Asp	Thr	Arg	Cys	Ala	Gly	Pro	Glu	Ala	Val	Lys
				325					330					335	
Gly	Gln	Thr	Leu	Leu	Ala	Val	Ala	Lys	Ser	Gln					

340

345

<210> 1276

<211> 286

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (173)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1276

Met	Leu	Met	Leu	Met	Leu	Leu	Met	Met	Phe	Ala	Val	His	Cys	Thr	Trp
1				5					10					15	

Val	Thr	Ser	Asn	Ala	Tyr	Ser	Ser	Pro	Ser	Val	Val	Leu	Ala	Ser	Tyr
			20					25					30		

Asn	His	Asp	Gly	Thr	Arg	Asn	Ile	Leu	Asp	Asp	Phe	Arg	Glu	Ala	Tyr
		35					40					45			

Phe	Trp	Leu	Arg	Gln	Asn	Thr	Asp	Glu	His	Ala	Arg	Val	Met	Ser	Trp
50						55					60				

Trp	Asp	Tyr	Gly	Tyr	Gln	Ile	Ala	Gly	Met	Ala	Asn	Arg	Thr	Thr	Leu
65					70				75						80

Val	Asp	Asn	Asn	Thr	Trp	Asn	Asn	Ser	His	Ile	Ala	Leu	Val	Gly	Lys
				85					90					95	

Ala	Met	Ser	Ser	Asn	Glu	Thr	Ala	Ala	Tyr	Lys	Ile	Met	Arg	Thr	Leu
			100					105					110		

Asp	Val	Asp	Tyr	Val	Leu	Val	Ile	Phe	Gly	Gly	Val	Ile	Gly	Tyr	Ser
		115					120					125			

Gly	Asp	Asp	Ile	Asn	Lys	Phe	Leu	Trp	Met	Val	Arg	Ile	Ala	Glu	Gly
130						135					140				

Glu	His	Pro	Lys	Asp	Ile	Arg	Glu	Ser	Asp	Tyr	Phe	Thr	Pro	Gln	Gly
145					150					155					160

Glu	Phe	Arg	Val	Asp	Lys	Ala	Gly	Ser	Pro	Thr	Leu	Xaa	Asn	Cys	Leu
			165						170					175	

Met	Tyr	Lys	Met	Ser	Tyr	Tyr	Arg	Phe	Gly	Glu	Met	Gln	Leu	Asp	Phe
			180					185					190		

Arg	Thr	Pro	Pro	Gly	Phe	Asp	Arg	Thr	Arg	Asn	Ala	Glu	Ile	Gly	Asn
		195					200					205			

Lys	Asp	Ile	Lys	Phe	Lys	His	Leu	Glu	Glu	Ala	Phe	Thr	Ser	Glu	His
210						215					220				

Trp Leu Val Arg Ile Tyr Lys Val Lys Ala Pro Asp Asn Arg Glu Thr
 225 230 235 240
 Leu Asp His Lys Pro Arg Val Thr Asn Ile Phe Pro Lys Gln Lys Tyr
 245 250 255
 Leu Ser Lys Lys Thr Thr Lys Arg Lys Arg Gly Tyr Ile Lys Asn Lys
 260 265 270
 Leu Val Phe Lys Lys Gly Lys Lys Ile Ser Lys Lys Thr Val
 275 280 285

<210> 1277
 <211> 286
 <212> PRT
 <213> Homo sapiens

<400> 1277
 Met Leu Met Leu Met Leu Leu Met Met Phe Ala Val His Cys Thr Trp
 1 5 10 15
 Val Thr Ser Asn Ala Tyr Ser Ser Pro Ser Val Val Leu Ala Ser Tyr
 20 25 30
 Asn His Asp Gly Thr Arg Asn Ile Leu Asp Asp Phe Arg Glu Ala Tyr
 35 40 45
 Phe Trp Leu Arg Gln Asn Thr Asp Glu His Ala Arg Val Met Ser Trp
 50 55 60
 Trp Asp Tyr Gly Tyr Gln Ile Ala Gly Met Ala Asn Arg Thr Thr Leu
 65 70 75 80
 Val Asp Asn Asn Thr Trp Asn Asn Ser His Ile Ala Leu Val Gly Lys
 85 90 95
 Ala Met Ser Ser Asn Glu Thr Ala Ala Tyr Lys Ile Met Arg Thr Leu
 100 105 110
 Asp Val Asp Tyr Val Leu Val Ile Phe Gly Gly Val Ile Gly Tyr Ser
 115 120 125
 Gly Asp Asp Ile Asn Lys Phe Leu Trp Met Val Arg Ile Ala Glu Gly
 130 135 140
 Glu His Pro Lys Asp Ile Arg Glu Ser Asp Tyr Phe Thr Pro Gln Gly
 145 150 155 160
 Glu Phe Arg Val Asp Lys Ala Gly Ser Pro Thr Leu Leu Asn Cys Leu
 165 170 175
 Met Tyr Lys Met Ser Tyr Tyr Arg Phe Gly Glu Met Gln Leu Asp Phe
 180 185 190
 Arg Thr Pro Pro Gly Phe Asp Arg Thr Arg Asn Ala Glu Ile Gly Asn

195	200	205
Lys Asp Ile Lys Phe Lys His Leu Glu Glu Ala Phe Thr Ser Glu His		
210	215	220
Trp Leu Val Arg Ile Tyr Lys Val Lys Ala Pro Asp Asn Arg Glu Thr		
225	230	235 240
Leu Asp His Lys Pro Arg Val Thr Asn Ile Phe Pro Lys Gln Lys Tyr		
	245	250 255
Leu Ser Lys Lys Thr Thr Lys Arg Lys Arg Gly Tyr Ile Lys Asn Lys		
	260	265 270
Leu Val Phe Lys Lys Gly Lys Lys Ile Ser Lys Lys Thr Val		
	275	280 285

<210> 1278
 <211> 135
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (134)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1278
 Met Ser Ala Leu Arg Pro Leu Leu Leu Leu Leu Pro Leu Cys Pro
 1 5 10 15
 Gly Pro Gly Pro Gly Pro Gly Ser Glu Ala Lys Val Thr Arg Ser Cys
 20 25 30
 Ala Glu Thr Arg Gln Val Leu Gly Ala Arg Gly Tyr Ser Leu Asn Leu
 35 40 45
 Ile Pro Pro Ala Leu Ile Ser Gly Glu His Leu Arg Val Cys Pro Gln
 50 55 60
 Glu Tyr Thr Cys Cys Ser Ser Glu Thr Glu Gln Arg Leu Ile Arg Glu
 65 70 75 80
 Thr Glu Ala Thr Phe Arg Gly Leu Val Glu Asp Ser Gly Ser Phe Leu
 85 90 95
 Val His Thr Leu Ala Ala Arg His Arg Lys Phe Asp Asp Asn Pro Asp
 100 105 110
 Pro Gly Gly Cys Pro Ser Leu Leu Cys Lys Ala Trp Arg Leu Glu Glu
 115 120 125
 Met Trp Ser Ser Glu Xaa Ala
 130 135

<210> 1279
<211> 134
<212> PRT
<213> Homo sapiens

<400> 1279
Met Ser Ala Leu Arg Pro Leu Leu Leu Leu Leu Leu Pro Leu Cys Pro
1 5 10 15
Gly Pro Gly Pro Gly Pro Gly Ser Glu Ala Lys Val Thr Arg Ser Cys
20 25 30
Ala Glu Thr Arg Gln Val Leu Gly Ala Arg Gly Tyr Ser Leu Asn Leu
35 40 45
Ile Pro Pro Ala Leu Ile Ser Gly Glu His Leu Arg Val Cys Pro Gln
50 55 60
Glu Tyr Thr Cys Cys Ser Ser Glu Thr Glu Gln Arg Leu Ile Arg Glu
65 70 75 80
Thr Glu Ala Thr Phe Arg Gly Leu Val Glu Asp Ser Gly Ser Phe Leu
85 90 95
Val His Thr Leu Ala Ala Arg His Arg Lys Phe Asp Asp Asn Pro Asp
100 105 110
Pro Gly Gly Cys Pro Ser Leu Cys Ala Gly Pro Gly Asp Trp Lys Lys
115 120 125
Cys Gly Gln Arg Cys Ala
130

<210> 1280
<211> 52
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1280
Cys Ala Leu Xaa Phe Glu Phe Phe Phe Phe Phe Phe Phe Leu Arg Trp
1 5 10 15
Ser Leu Gly Asn Lys Ala Arg Leu Xaa Gln Lys Lys Lys Lys Lys Lys

20 25 30
 Lys Thr Ser Val Gly Lys Asn Met Glu Asn Trp Asn Pro Asp Thr Leu
 35 40 45
 Leu Val Gly Leu
 50

<210> 1281
 <211> 17
 <212> PRT
 <213> Homo sapiens

<400> 1281
 Met Arg Val Val Ser Gly Thr Leu Phe Ile His Phe Leu Val Leu Ile
 1 5 10 15
 Phe

<210> 1282
 <211> 17
 <212> PRT
 <213> Homo sapiens

<400> 1282
 Met Arg Val Val Ser Gly Thr Leu Phe Ile His Phe Leu Val Leu Ile
 1 5 10 15
 Phe

<210> 1283
 <211> 182
 <212> PRT
 <213> Homo sapiens

<400> 1283
 Met Ala Lys Arg Ser Arg Gly Pro Gly Arg Arg Cys Leu Leu Ala Leu
 1 5 10 15
 Val Leu Phe Cys Ala Trp Gly Thr Leu Ala Val Val Ala Gln Lys Pro
 20 25 30
 Gly Ala Gly Cys Pro Ser Arg Cys Leu Cys Phe Arg Thr Thr Val Arg
 35 40 45
 Cys Met His Leu Leu Leu Glu Ala Val Pro Ala Val Ala Pro Gln Thr
 50 55 60
 Ser Ile Leu Asp Leu Arg Phe Asn Arg Ile Arg Glu Ile Gln Pro Gly

65		70		75		80
Ala Phe Arg Arg Leu Arg Asn Leu Asn Thr Leu Leu Leu Asn Asn Asn						
	85		90		95	
Gln Ile Lys Arg Ile Pro Ser Gly Ala Phe Glu Asp Leu Glu Asn Leu						
	100		105		110	
Lys Tyr Leu Tyr Leu His Phe Asn Gln Ile Glu Thr Leu Asp Pro Asp						
	115		120		125	
Ser Phe Gln His Leu Pro Lys Leu Glu Arg Leu Phe Leu His Asn Asn						
	130		135		140	
Arg Ile Thr His Leu Val Pro Gly Thr Phe Asn His Leu Glu Ser Met						
	145		150		155	160
Lys Arg Leu Arg Leu Asp Ser Asn Thr Leu His Cys Asp Cys Glu Ile						
	165		170		175	
Leu Trp Leu Arg Ile Cys						
	180					

<210> 1284
 <211> 550
 <212> PRT
 <213> Homo sapiens

<400> 1284

Ala Leu Pro Gln Gln Ala Ala Val Ala Gly Ile Val Gln Arg Ser Gly									
1		5			10			15	
Lys Pro Leu Leu Pro Phe Ala Thr Gly Pro Pro Thr Glu Cys Met Arg									
	20			25			30		
Asp Glu Asn Glu Ser Pro Ile Pro Cys Phe Leu Ala Gly Asp His Arg									
	35			40			45		
Ala Asn Glu Gln Leu Gly Leu Thr Ser Met His Thr Leu Trp Phe Arg									
	50		55				60		
Glu His Asn Arg Ile Ala Thr Glu Leu Leu Lys Leu Asn Pro His Trp									
	65		70			75		80	
Asp Gly Asp Thr Ile Tyr Tyr Glu Thr Arg Lys Ile Val Gly Ala Glu									
	85				90			95	
Ile Gln His Ile Thr Tyr Gln His Trp Leu Pro Lys Ile Leu Gly Glu									
	100				105			110	
Val Gly Met Arg Thr Leu Gly Glu Tyr His Gly Tyr Asp Pro Gly Ile									
	115				120			125	
Asn Ala Gly Ile Phe Asn Ala Phe Ala Thr Ala Ala Phe Arg Phe Gly									
	130			135				140	

His	Thr	Leu	Val	Asn	Pro	Leu	Leu	Tyr	Arg	Leu	Asp	Glu	Asn	Phe	Gln	145	150	155	160
Pro	Ile	Ala	Gln	Asp	His	Leu	Pro	Leu	His	Lys	Ala	Phe	Phe	Ser	Pro	165	170	175	
Phe	Arg	Ile	Val	Asn	Glu	Gly	Gly	Ile	Asp	Pro	Leu	Leu	Arg	Gly	Leu	180	185	190	
Phe	Gly	Val	Ala	Gly	Lys	Met	Arg	Val	Pro	Ser	Gln	Leu	Leu	Asn	Thr	195	200	205	
Glu	Leu	Thr	Glu	Arg	Leu	Phe	Ser	Met	Ala	His	Thr	Val	Ala	Leu	Asp	210	215	220	
Leu	Ala	Ala	Ile	Asn	Ile	Gln	Arg	Gly	Arg	Asp	His	Gly	Ile	Pro	Pro	225	230	235	240
Tyr	His	Asp	Tyr	Arg	Val	Tyr	Cys	Asn	Leu	Ser	Ala	Ala	His	Thr	Phe	245	250	255	
Glu	Asp	Leu	Lys	Asn	Glu	Ile	Lys	Asn	Pro	Glu	Ile	Arg	Glu	Lys	Leu	260	265	270	
Lys	Arg	Leu	Tyr	Gly	Ser	Thr	Leu	Asn	Ile	Asp	Leu	Phe	Pro	Ala	Leu	275	280	285	
Val	Val	Glu	Asp	Leu	Val	Pro	Gly	Ser	Arg	Leu	Gly	Pro	Thr	Leu	Met	290	295	300	
Cys	Leu	Leu	Ser	Thr	Gln	Phe	Lys	Arg	Leu	Arg	Asp	Gly	Asp	Arg	Leu	305	310	315	320
Trp	Tyr	Glu	Asn	Pro	Gly	Val	Phe	Ser	Pro	Ala	Gln	Leu	Thr	Gln	Ile	325	330	335	
Lys	Gln	Thr	Ser	Leu	Ala	Arg	Ile	Leu	Cys	Asp	Asn	Ala	Asp	Asn	Ile	340	345	350	
Thr	Arg	Val	Gln	Ser	Asp	Val	Phe	Arg	Val	Ala	Glu	Phe	Pro	His	Gly	355	360	365	
Tyr	Gly	Ser	Cys	Asp	Glu	Ile	Pro	Arg	Val	Asp	Leu	Arg	Val	Trp	Gln	370	375	380	
Asp	Cys	Cys	Glu	Asp	Cys	Arg	Thr	Arg	Gly	Gln	Phe	Asn	Ala	Phe	Ser	385	390	395	400
Tyr	His	Phe	Arg	Gly	Arg	Arg	Ser	Leu	Glu	Phe	Ser	Tyr	Gln	Glu	Asp	405	410	415	
Lys	Pro	Thr	Lys	Lys	Thr	Arg	Pro	Arg	Lys	Ile	Pro	Ser	Val	Gly	Arg	420	425	430	
Gln	Gly	Glu	His	Leu	Ser	Asn	Ser	Thr	Ser	Ala	Phe	Ser	Thr	Arg	Ser	435	440	445	

Asp Ala Ser Gly Thr Asn Asp Phe Arg Glu Phe Val Leu Glu Met Gln
 450 455 460
 Lys Thr Ile Thr Asp Leu Arg Thr Gln Ile Lys Lys Leu Glu Ser Arg
 465 470 475 480
 Leu Ser Thr Thr Glu Cys Val Asp Ala Gly Gly Glu Ser His Ala Asn
 485 490 495
 Asn Thr Lys Trp Lys Lys Asp Ala Cys Thr Ile Cys Glu Cys Lys Asp
 500 505 510
 Gly Gln Val Thr Cys Phe Val Glu Ala Cys Pro Pro Ala Thr Cys Ala
 515 520 525
 Val Pro Val Asn Ile Pro Gly Ala Cys Cys Pro Val Cys Leu Gln Lys
 530 535 540
 Arg Ala Glu Glu Lys Pro
 545 550

<210> 1285

<211> 210

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (139)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (187)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1285

Met Glu Ala Pro Gly Pro Arg Ala Leu Arg Thr Ala Leu Cys Gly Gly
 1 5 10 15
 Cys Cys Cys Leu Leu Leu Cys Ala Gln Leu Ala Val Ala Gly Lys Gly
 20 25 30
 Ala Arg Gly Phe Gly Arg Gly Ala Leu Ile Arg Leu Asn Ile Trp Pro
 35 40 45
 Ala Val Gln Gly Ala Cys Lys Gln Leu Glu Val Cys Glu His Cys Val
 50 55 60
 Glu Gly Asp Arg Ala Arg Asn Leu Ser Ser Cys Met Trp Glu Gln Cys
 65 70 75 80
 Arg Pro Glu Glu Pro Gly His Cys Val Ala Gln Ser Glu Val Val Lys
 85 90 95

Glu Gly Cys Ser Ile Tyr Asn Arg Ser Glu Ala Cys Pro Ala Ala His
100 105 110

His His Pro Thr Tyr Glu Pro Lys Thr Val Thr Thr Gly Ser Pro Pro
115 120 125

Val Pro Glu Ala His Ser Pro Gly Phe Asp Xaa Ala Ser Phe Ile Gly
130 135 140

Gly Val Val Leu Val Leu Ser Leu Gln Ala Val Ala Phe Phe Val Leu
145 150 155 160

Thr Ser Ser Arg Pro Arg Thr Ala Pro Thr Arg Arg Cys Glu Tyr Leu
165 170 175

Ala Ser Ser Lys Tyr Leu Ser Pro Ser Ser Xaa Leu Val Pro Ala His
180 185 190

Val Pro Phe Ser Thr Gln Gly Ala Val Phe Ser Thr Gly Lys Pro Ser
195 200 205

Gly Arg
210

<210> 1286
<211> 173
<212> PRT
<213> Homo sapiens

<400> 1286
Met Glu Ala Pro Gly Pro Arg Ala Leu Arg Thr Ala Leu Cys Gly Gly
1 5 10 15

Cys Cys Cys Leu Leu Leu Cys Ala Gln Leu Ala Val Ala Gly Lys Gly
20 25 30

Ala Arg Gly Phe Gly Arg Gly Ala Leu Ile Arg Leu Asn Ile Trp Pro
35 40 45

Ala Val Gln Gly Ala Cys Lys Gln Leu Glu Val Cys Glu His Cys Val
50 55 60

Glu Gly Asp Arg Ala Arg Asn Leu Ser Ser Cys Met Trp Glu Gln Cys
65 70 75 80

Arg Pro Glu Glu Pro Gly His Cys Val Ala Gln Ser Glu Val Val Lys
85 90 95

Glu Gly Cys Ser Ile Tyr Asn Arg Ser Glu Ala Cys Pro Ala Ala His
100 105 110

His His Pro Thr Tyr Glu Pro Lys Thr Val Thr Thr Gly Ser Pro Pro
115 120 125

Val Pro Glu Ala His Ser Pro Gly Phe Asp Gly Ala Ser Phe Ile Gly
130 135 140

Gly Val Val Leu Val Leu Ser Leu Gln Ala Val Ala Phe Phe Val Leu
145 150 155 160

His Phe Leu Lys Ala Lys Asp Ser Thr Tyr Gln Thr Leu
165 170

<210> 1287

<211> 148

<212> PRT

<213> Homo sapiens

<400> 1287

Met Thr Trp Lys Ile Lys Leu Arg Ser Ala Val Tyr Leu Ser Asp Ala
1 5 10 15

Thr Val Thr Thr Leu Gly Asn Leu Val Pro Phe Thr Leu Thr Leu Leu
20 25 30

Cys Phe Leu Leu Leu Ile Cys Ser Leu Cys Lys His Leu Lys Lys Met
35 40 45

Gln Leu His Gly Lys Gly Ser Gln Asp Pro Ser Thr Lys Val His Ile
50 55 60

Lys Val Leu Gln Thr Val Ile Phe Phe Leu Leu Leu Cys Ala Ile Tyr
65 70 75 80

Phe Leu Ser Ile Met Ile Ser Val Trp Ser Phe Gly Ser Leu Glu Asn
85 90 95

Lys Pro Val Phe Met Phe Cys Lys Ala Ile Arg Phe Ser Tyr Pro Ser
100 105 110

Ile His Pro Phe Ile Leu Ile Trp Gly Asn Lys Lys Leu Lys Gln Thr
115 120 125

Phe Leu Ser Val Leu Arg Gln Val Arg Tyr Trp Val Lys Gly Glu Lys
130 135 140

Pro Ser Ser Pro
145

<210> 1288

<211> 55

<212> PRT

<213> Homo sapiens

<400> 1288

Asn Glu Arg Val Leu Thr Tyr Ser Leu Ile Gly Ser Ser Ile Ile Arg
1 5 10 15

Lys Lys Cys Thr Val Leu Phe Thr Ala Lys Phe Tyr Leu Thr Val Leu
20 25 30

Ile Leu Gly Val Met Lys Phe Lys Gln Cys Asp Leu Asn Leu Lys Lys
35 40 45

Lys Lys Lys Lys Gly Arg Pro
50 55

<210> 1289

<211> 273

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (200)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1289

Met Arg Leu Pro Gly Val Pro Leu Ala Arg Pro Ala Leu Leu Leu Leu
1 5 10 15

Leu Pro Leu Leu Ala Pro Leu Leu Gly Thr Gly Ala Pro Ala Glu Leu
20 25 30

Arg Val Arg Val Arg Leu Pro Asp Gly Gln Val Thr Glu Glu Ser Leu
35 40 45

Gln Ala Asp Ser Asp Ala Asp Ser Ile Ser Leu Glu Leu Arg Lys Pro
50 55 60

Asp Gly Thr Leu Val Ser Phe Thr Ala Asp Phe Lys Lys Asp Val Lys
65 70 75 80

Val Phe Arg Ala Leu Ile Leu Gly Glu Leu Glu Lys Gly Gln Ser Gln
85 90 95

Phe Gln Ala Leu Cys Phe Val Thr Gln Leu Gln His Asn Glu Ile Ile
100 105 110

Pro Ser Glu Ala Met Ala Lys Leu Arg Gln Lys Asn Pro Arg Ala Val
115 120 125

Arg Gln Ala Glu Glu Val Arg Gly Leu Glu His Leu His Met Asp Val
130 135 140

Ala Val Asn Phe Ser Gln Gly Ala Leu Leu Ser Pro His Leu His Asn
145 150 155 160

Val Cys Ala Glu Ala Val Asp Ala Ile Tyr Thr Arg Gln Glu Asp Val
165 170 175

Arg Phe Trp Leu Glu Gln Gly Val Asp Ser Ser Val Phe Glu Ala Leu

180	185	190
Pro Lys Ala Ser Glu Gln Ala Xaa Leu Pro Arg Cys Arg Gln Val Gly		
195	200	205
Asp Arg Gly Lys Pro Cys Val Cys His Tyr Gly Leu Ser Leu Ala Trp		
210	215	220
Tyr Pro Cys Met Leu Lys Tyr Cys His Ser Arg Asp Arg Pro Thr Pro		
225	230	235
Tyr Lys Cys Gly Ile Arg Ser Cys Gln Lys Ser Tyr Ser Phe Asp Phe		
245	250	255
Tyr Val Pro Gln Arg Gln Leu Cys Leu Trp Asp Glu Asp Pro Tyr Pro		
260	265	270

Gly

<210> 1290
 <211> 273
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (217)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1290
Met Arg Leu Pro Gly Val Pro Leu Ala Arg Pro Ala Leu Leu Leu Leu
1 5 10 15
Leu Pro Leu Leu Ala Pro Leu Leu Gly Thr Gly Ala Pro Ala Glu Leu
20 25 30
Arg Val Arg Val Arg Leu Pro Asp Gly Gln Val Thr Glu Glu Ser Leu
35 40 45
Gln Ala Asp Ser Asp Ala Asp Ser Ile Ser Leu Glu Leu Arg Lys Pro
50 55 60
Asp Gly Thr Leu Val Ser Phe Thr Ala Asp Phe Lys Lys Asp Val Lys
65 70 75 80
Val Phe Arg Ala Leu Ile Leu Gly Glu Leu Glu Lys Gly Gln Ser Gln
85 90 95
Phe Gln Ala Leu Cys Phe Val Thr Gln Leu Gln His Asn Glu Ile Ile
100 105 110
Pro Ser Glu Ala Met Ala Lys Leu Arg Gln Lys Asn Pro Arg Ala Val
115 120 125

Arg Gln Ala Glu Glu Val Arg Gly Leu Glu His Leu His Met Asp Val
 130 135 140
 Ala Val Asn Phe Ser Gln Gly Ala Leu Leu Ser Pro His Leu His Asn
 145 150 155 160
 Val Cys Ala Glu Ala Val Asp Ala Ile Tyr Thr Arg Gln Glu Asp Val
 165 170 175
 Arg Phe Trp Leu Glu Gln Gly Val Asp Ser Ser Val Phe Glu Ala Leu
 180 185 190
 Pro Lys Ala Ser Glu Gln Ala Glu Leu Pro Arg Cys Arg Gln Val Gly
 195 200 205
 Asp Arg Gly Lys Pro Cys Val Cys Xaa Tyr Gly Leu Ser Leu Ala Trp
 210 215 220
 Tyr Pro Cys Met Leu Lys Tyr Cys His Ser Arg Asp Arg Pro Thr Pro
 225 230 235 240
 Tyr Lys Cys Gly Ile Arg Ser Cys Gln Lys Ser Tyr Ser Phe Asp Phe
 245 250 255
 Tyr Val Pro Gln Arg Gln Leu Cys Leu Trp Asp Glu Asp Pro Tyr Pro
 260 265 270

Gly

<210> 1291
 <211> 934
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (225)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (596)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (852)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1291
 Met Leu Ala Gly Cys Phe Leu Leu Ile Leu Gly Gln Ile Val Leu Leu
 1 5 10 15

Pro Ala Glu Ala Arg Glu Arg Ser Arg Gly Arg Ser Ile Ser Arg Gly

20	25	30
Arg His Ala Arg Thr His Pro Gln Thr Ala Leu Leu Glu Ser Ser Cys		
35	40	45
Glu Asn Lys Arg Ala Asp Leu Val Phe Ile Ile Asp Ser Ser Arg Ser		
50	55	60
Val Asn Thr His Asp Tyr Ala Lys Val Lys Glu Phe Ile Val Asp Ile		
65	70	75
Leu Gln Phe Leu Asp Ile Gly Pro Asp Val Thr Arg Val Gly Leu Leu		
85	90	95
Gln Tyr Gly Ser Thr Val Lys Asn Glu Phe Ser Leu Lys Thr Phe Lys		
100	105	110
Arg Lys Ser Glu Val Glu Arg Ala Val Lys Arg Met Arg His Leu Ser		
115	120	125
Thr Gly Thr Met Thr Gly Leu Ala Ile Gln Tyr Ala Leu Asn Ile Ala		
130	135	140
Phe Ser Glu Ala Glu Gly Ala Arg Pro Leu Arg Glu Asn Val Pro Arg		
145	150	155
Val Ile Met Ile Val Thr Asp Gly Arg Pro Gln Asp Ser Val Ala Glu		
165	170	175
Val Ala Ala Lys Ala Arg Asp Thr Gly Ile Leu Ile Phe Ala Ile Gly		
180	185	190
Val Gly Gln Val Asp Phe Asn Thr Leu Lys Ser Ile Gly Ser Glu Pro		
195	200	205
His Glu Asp His Val Phe Leu Val Ala Asn Phe Ser Gln Ile Glu Thr		
210	215	220
Xaa Thr Ser Val Phe Gln Lys Lys Leu Cys Thr Ala His Met Cys Ser		
225	230	235
Thr Leu Glu His Asn Cys Ala His Phe Cys Ile Asn Ile Pro Gly Ser		
245	250	255
Tyr Val Cys Arg Cys Lys Gln Gly Tyr Ile Leu Asn Ser Asp Gln Thr		
260	265	270
Thr Cys Arg Ile Gln Asp Leu Cys Ala Met Glu Asp His Asn Cys Glu		
275	280	285
Gln Leu Cys Val Asn Val Pro Gly Ser Phe Val Cys Gln Cys Tyr Ser		
290	295	300
Gly Tyr Ala Leu Ala Glu Asp Gly Lys Arg Cys Val Ala Val Asp Tyr		
305	310	315
Cys Ala Ser Glu Asn His Gly Cys Glu His Glu Cys Val Asn Ala Asp		

325										330					335				
Gly	Ser	Tyr	Leu	Cys	Gln	Cys	His	Glu	Gly	Phe	Ala	Leu	Asn	Pro	Asp				
			340					345					350						
Glu	Lys	Thr	Cys	Thr	Lys	Ile	Asp	Tyr	Cys	Ala	Ser	Ser	Asn	His	Gly				
		355					360						365						
Cys	Gln	His	Glu	Cys	Val	Asn	Thr	Asp	Asp	Ser	Tyr	Ser	Cys	His	Cys				
	370					375						380							
Leu	Lys	Gly	Phe	Thr	Leu	Asn	Pro	Asp	Lys	Lys	Thr	Cys	Arg	Arg	Ile				
385					390					395					400				
Asn	Tyr	Cys	Ala	Leu	Asn	Lys	Pro	Gly	Cys	Glu	His	Glu	Cys	Val	Asn				
			405					410						415					
Met	Glu	Glu	Ser	Tyr	Tyr	Cys	Arg	Cys	His	Arg	Gly	Tyr	Thr	Leu	Asp				
		420						425					430						
Pro	Asn	Gly	Lys	Thr	Cys	Ser	Arg	Val	Asp	His	Cys	Ala	Gln	Gln	Asp				
	435						440					445							
His	Gly	Cys	Glu	Gln	Leu	Cys	Leu	Asn	Thr	Glu	Asp	Ser	Phe	Val	Cys				
	450					455					460								
Gln	Cys	Ser	Glu	Gly	Phe	Leu	Ile	Asn	Glu	Asp	Leu	Lys	Thr	Cys	Ser				
465					470					475					480				
Arg	Val	Asp	Tyr	Cys	Leu	Leu	Ser	Asp	His	Gly	Cys	Glu	Tyr	Ser	Cys				
			485					490						495					
Val	Asn	Met	Asp	Arg	Ser	Phe	Ala	Cys	Gln	Cys	Pro	Glu	Gly	His	Val				
		500						505					510						
Leu	Arg	Ser	Asp	Gly	Lys	Thr	Cys	Ala	Lys	Leu	Asp	Ser	Cys	Ala	Leu				
	515						520					525							
Gly	Asp	His	Gly	Cys	Glu	His	Ser	Cys	Val	Ser	Ser	Glu	Asp	Ser	Phe				
	530					535						540							
Val	Cys	Gln	Cys	Phe	Glu	Gly	Tyr	Ile	Leu	Arg	Glu	Asp	Gly	Lys	Thr				
545					550					555					560				
Cys	Arg	Arg	Lys	Asp	Val	Cys	Gln	Ala	Ile	Asp	His	Gly	Cys	Glu	His				
			565					570						575					
Ile	Cys	Val	Asn	Ser	Asp	Asp	Ser	Tyr	Thr	Cys	Glu	Cys	Leu	Glu	Gly				
		580					585						590						
Phe	Arg	Leu	Xaa	Glu	Asp	Gly	Lys	Arg	Cys	Arg	Arg	Lys	Asp	Val	Cys				
		595					600					605							
Lys	Ser	Thr	His	His	Gly	Cys	Glu	His	Ile	Cys	Val	Asn	Asn	Gly	Asn				
	610					615					620								
Ser	Tyr	Ile	Cys	Lys	Cys	Ser	Glu	Gly	Phe	Val	Leu	Ala	Glu	Asp	Gly				

625		630		635		640
Arg Arg Cys Lys	Lys Cys Thr Glu Gly	Pro Ile Asp Leu Val	Phe Val			
	645	650	655			
Ile Asp Gly Ser	Lys Ser Leu Gly	Glu Glu Asn Phe	Glu Val Val Lys			
	660	665	670			
Gln Phe Val Thr	Gly Ile Ile Asp	Ser Leu Thr Ile	Ser Pro Lys Ala			
	675	680	685			
Ala Arg Val Gly	Leu Leu Gln Tyr	Ser Thr Gln Val	His Thr Glu Phe			
	690	695	700			
Thr Leu Arg Asn	Phe Asn Ser Ala	Lys Asp Met Lys	Lys Ala Val Ala			
	710	715	720			
His Met Lys Tyr	Met Gly Lys Gly	Ser Met Thr Gly	Leu Ala Leu Lys			
	725	730	735			
His Met Phe Glu	Arg Ser Phe Thr	Gln Gly Glu Gly	Ala Arg Pro Leu			
	740	745	750			
Ser Thr Arg Val	Pro Arg Ala Ala	Ile Val Phe Thr	Asp Gly Arg Ala			
	755	760	765			
Gln Asp Asp Val	Ser Glu Trp Ala	Ser Lys Ala Lys	Ala Asn Gly Ile			
	770	775	780			
Thr Met Tyr Ala	Val Gly Val Gly	Lys Ala Ile Glu	Glu Glu Leu Gln			
	785	790	795			800
Glu Ile Ala Ser	Glu Pro Thr Asn	Lys His Leu Phe	Tyr Ala Glu Asp			
	805	810	815			
Phe Ser Thr Met	Asp Glu Ile Ser	Glu Lys Leu Lys	Lys Gly Ile Cys			
	820	825	830			
Glu Ala Leu Glu	Asp Ser Asp Gly	Arg Gln Asp Ser	Pro Ala Gly Glu			
	835	840	845			
Leu Pro Lys Xaa	Val Gln Gln Pro	Thr Val Gln His	Arg Tyr Leu Phe			
	850	855	860			
Glu Glu Asp Asn	Leu Leu Arg Ser	Thr Gln Lys Leu	Ser His Ser Thr			
	865	870	875			880
Lys Pro Ser Gly	Ser Pro Leu Glu	Glu Lys His Asp	Gln Cys Lys Cys			
	885	890	895			
Glu Asn Leu Ile	Met Phe Gln Asn	Leu Ala Asn Glu	Glu Val Arg Lys			
	900	905	910			
Leu Thr Gln Arg	Leu Glu Glu Met	Thr Gln Arg Met	Glu Ala Leu Glu			
	915	920	925			
Asn Arg Leu Arg	Tyr Arg					

<210> 1292

<211> 794

<212> PRT

<213> Homo sapiens

<400> 1292

Met Leu Ala Gly Cys Phe Leu Leu Ile Leu Gly Gln Ile Val Leu Leu
 1 5 10 15

Pro Ala Glu Ala Arg Glu Arg Ser Arg Gly Arg Ser Ile Ser Arg Gly
 20 25 30

Arg His Ala Arg Thr His Pro Gln Thr Ala Leu Leu Glu Ser Ser Cys
 35 40 45

Glu Asn Lys Arg Ala Asp Leu Val Phe Ile Ile Asp Ser Ser Arg Ser
 50 55 60

Val Asn Thr His Asp Tyr Ala Lys Val Lys Glu Phe Ile Val Asp Ile
 65 70 75 80

Leu Gln Phe Leu Asp Ile Gly Pro Asp Val Thr Arg Val Gly Leu Leu
 85 90 95

Gln Tyr Gly Ser Thr Val Lys Asn Glu Phe Ser Leu Lys Thr Phe Lys
 100 105 110

Arg Lys Ser Glu Val Glu Arg Ala Val Lys Arg Met Arg His Leu Ser
 115 120 125

Thr Gly Thr Met Thr Gly Leu Ala Ile Gln Tyr Ala Leu Asn Ile Ala
 130 135 140

Phe Ser Glu Ala Glu Gly Ala Arg Pro Leu Arg Glu Asn Val Pro Arg
 145 150 155 160

Val Ile Met Ile Val Thr Asp Gly Arg Pro Gln Asp Ser Val Ala Glu
 165 170 175

Val Ala Ala Lys Ala Arg Asp Thr Gly Ile Leu Ile Phe Ala Ile Gly
 180 185 190

Val Gly Gln Val Asp Phe Asn Thr Leu Lys Ser Ile Gly Ser Glu Pro
 195 200 205

His Glu Asp His Val Phe Leu Val Ala Asn Phe Ser Gln Ile Glu Thr
 210 215 220

Leu Thr Ser Val Phe Gln Lys Lys Leu Cys Thr Ala His Met Cys Ser
 225 230 235 240

Thr Leu Glu His Asn Cys Ala His Phe Cys Ile Asn Ile Pro Gly Ser
 245 250 255

Tyr	Val	Cys	Arg	Cys	Lys	Gln	Gly	Tyr	Ile	Leu	Asn	Ser	Asp	Gln	Thr	260	265	270
Thr	Cys	Arg	Ile	Gln	Asp	Leu	Cys	Ala	Met	Glu	Asp	His	Asn	Cys	Glu	275	280	285
Gln	Leu	Cys	Val	Asn	Val	Pro	Gly	Ser	Phe	Val	Cys	Gln	Cys	Tyr	Ser	290	295	300
Gly	Tyr	Ala	Leu	Ala	Glu	Asp	Gly	Lys	Arg	Cys	Val	Ala	Val	Asp	Tyr	305	310	315
Cys	Ala	Ser	Glu	Asn	His	Gly	Cys	Glu	His	Glu	Cys	Val	Asn	Ala	Asp	325	330	335
Gly	Ser	Tyr	Leu	Cys	Gln	Cys	His	Glu	Gly	Phe	Ala	Leu	Asn	Pro	Asp	340	345	350
Glu	Lys	Thr	Cys	Thr	Lys	Ile	Asp	Tyr	Cys	Ala	Ser	Ser	Asn	His	Gly	355	360	365
Cys	Gln	His	Glu	Cys	Val	Asn	Thr	Asp	Asp	Ser	Tyr	Ser	Cys	His	Cys	370	375	380
Leu	Lys	Gly	Phe	Thr	Leu	Asn	Pro	Asp	Lys	Lys	Thr	Cys	Arg	Arg	Ile	385	390	395
Asn	Tyr	Cys	Ala	Leu	Asn	Lys	Pro	Gly	Cys	Glu	His	Glu	Cys	Val	Asn	405	410	415
Met	Glu	Glu	Ser	Tyr	Tyr	Cys	Arg	Cys	His	Arg	Gly	Tyr	Thr	Leu	Asp	420	425	430
Pro	Asn	Gly	Lys	Thr	Cys	Ser	Arg	Val	Asp	His	Cys	Ala	Gln	Gln	Asp	435	440	445
His	Gly	Cys	Glu	Gln	Leu	Cys	Leu	Asn	Thr	Glu	Asp	Ser	Phe	Val	Cys	450	455	460
Gln	Cys	Ser	Glu	Gly	Phe	Leu	Ile	Asn	Glu	Asp	Leu	Lys	Thr	Cys	Ser	465	470	475
Arg	Val	Asp	Tyr	Cys	Leu	Leu	Ser	Asp	His	Gly	Cys	Glu	Tyr	Ser	Cys	485	490	495
Val	Asn	Met	Asp	Arg	Ser	Phe	Ala	Cys	Gln	Cys	Pro	Glu	Gly	His	Val	500	505	510
Leu	Arg	Ser	Asp	Gly	Lys	Thr	Cys	Ala	Lys	Leu	Asp	Ser	Cys	Ala	Leu	515	520	525
Gly	Asp	His	Gly	Cys	Glu	His	Ser	Cys	Val	Ser	Ser	Glu	Asp	Ser	Phe	530	535	540
Val	Cys	Gln	Cys	Phe	Glu	Gly	Tyr	Ile	Leu	Arg	Glu	Asp	Gly	Lys	Thr	545	550	555

Cys Arg Arg Lys Asp Val Cys Gln Ala Ile Asp His Gly Cys Glu His
565 570 575

Ile Cys Val Asn Ser Asp Asp Ser Tyr Thr Cys Glu Cys Leu Glu Gly
580 585 590

Phe Arg Leu Ala Glu Asp Gly Lys Arg Cys Arg Arg Lys Asp Val Cys
595 600 605

Lys Ser Thr His His Gly Cys Glu His Ile Cys Val Asn Asn Gly Asn
610 615 620

Ser Tyr Ile Cys Lys Cys Ser Glu Gly Phe Val Leu Ala Glu Asp Gly
625 630 635 640

Arg Arg Cys Lys Lys Cys Thr Glu Gly Pro Ile Asp Leu Val Phe Val
645 650 655

Ile Asp Gly Ser Lys Ser Leu Gly Glu Glu Asn Phe Glu Val Val Lys
660 665 670

Gln Phe Val Thr Gly Ile Ile Asp Ser Leu Thr Ile Ser Pro Lys Ala
675 680 685

Ala Arg Val Gly Leu Leu Gln Tyr Ser Thr Gln Val His Thr Glu Phe
690 695 700

Thr Leu Arg Asn Phe Asn Ser Ala Lys Asp Met Lys Lys Ala Val Ala
705 710 715 720

His Met Lys Tyr Met Gly Lys Gly Ser Met Thr Gly Leu Ala Leu Lys
725 730 735

His Met Phe Glu Arg Ser Phe Thr Gln Gly Glu Gly Ala Arg Pro Leu
740 745 750

Ser Thr Arg Val Pro Arg Ala Ala Ile Val Phe Thr Asp Gly Arg Ala
755 760 765

Gln Asp Asp Val Ser Glu Trp Ala Ser Lys Ala Arg Pro Trp Tyr His
770 775 780

Tyr Val Cys Cys Trp Gly Arg Lys Ser His
785 790

<210> 1293

<211> 39

<212> PRT

<213> Homo sapiens

<400> 1293

Met Arg Arg Pro Ala Ala Val Pro Leu Leu Leu Leu Leu Cys Phe Gly
1 5 10 15

Ser Gln Arg Ala Lys Ala Ala Thr Ala Cys Gly Arg Pro Arg Met Leu
20 25 30

Asn Arg Met Val Gly Gly Gln
35

<210> 1294

<211> 290

<212> PRT

<213> Homo sapiens

<400> 1294

Met Arg Arg Pro Ala Ala Val Pro Leu Leu Leu Leu Cys Phe Gly
1 5 10 15

Ser Gln Arg Ala Lys Ala Ala Thr Ala Cys Gly Arg Pro Arg Met Leu
20 25 30

Asn Arg Met Val Gly Gly Gln Asp Thr Gln Glu Gly Glu Trp Pro Trp
35 40 45

Gln Val Ser Ile Gln Arg Asn Gly Ser His Phe Cys Gly Gly Ser Leu
50 55 60

Ile Ala Glu Gln Trp Val Leu Thr Ala Ala His Cys Phe Arg Asn Thr
65 70 75 80

Ser Glu Thr Ser Leu Tyr Gln Val Leu Leu Gly Ala Arg Gln Leu Val
85 90 95

Gln Pro Gly Pro His Ala Met Tyr Ala Arg Val Arg Gln Val Glu Ser
100 105 110

Asn Pro Leu Tyr Gln Gly Thr Ala Ser Ser Ala Asp Val Ala Leu Val
115 120 125

Glu Leu Glu Ala Pro Val Pro Phe Thr Asn Tyr Ile Leu Pro Val Cys
130 135 140

Leu Pro Asp Pro Ser Val Ile Phe Glu Thr Gly Met Asn Cys Trp Val
145 150 155 160

Thr Gly Trp Gly Ser Pro Ser Glu Glu Asp Leu Leu Pro Glu Pro Arg
165 170 175

Ile Leu Gln Lys Leu Ala Val Pro Ile Ile Asp Thr Pro Lys Cys Asn
180 185 190

Leu Leu Tyr Ser Lys Asp Thr Glu Phe Gly Tyr Gln Pro Lys Thr Ile
195 200 205

Lys Asn Asp Met Leu Cys Ala Gly Phe Glu Glu Gly Lys Lys Asp Ala
210 215 220

Cys Lys Gly Asp Ser Gly Gly Pro Leu Val Cys Leu Val Gly Gln Ser

225 230 235 240
 Trp Leu Gln Ala Gly Val Ile Ser Trp Gly Glu Gly Cys Ala Arg Gln
 245 250 255
 Asn Arg Pro Gly Val Tyr Ile Arg Val Thr Ala His His Asn Trp Ile
 260 265 270
 His Arg Ile Ile Pro Lys Leu Gln Phe Gln Pro Ala Arg Leu Gly Gly
 275 280 285
 Gln Lys
 290

<210> 1295
 <211> 144
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (77)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (122)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (141)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1295
 Met Leu Leu Gly Val Gly Leu Val Val Leu Ala Leu Ile Ala Gly Trp
 1 5 10 15
 Val Leu Gln Gln Ala Asn Arg Ser Ala Gln Gln Leu Thr Ala Thr Gly
 20 25 30
 Gln Ser Leu Met Gln Ser Gln Arg Leu Ala Lys Ser Val Ser Gln Ala
 35 40 45
 Leu Val Gly Ser Pro Gln Ala Phe Pro Asp Val Val Glu Ser Ser Gly
 50 55 60
 Val Leu Ala Arg Asn Val Arg Ala Leu Asn Gly Gly Xaa Asn Glu Leu
 65 70 75 80
 Asp Val Gln Ala Leu Gly Glu Pro Phe Arg Pro Glu Leu Asp Ala Ile
 85 90 95
 Thr Pro Leu Val Glu Arg Ala Glu Arg Asn Ala Gly Val Val Met Gly
 100 105 110

Gln Gln Lys Ile Leu Thr Gln Val Gly Xaa Ala Leu Arg Thr Ile Lys
 115 120 125

Pro Pro Val Leu Gly Pro Cys Trp Arg Ser Arg Arg Xaa Ser Ser Ser
 130 135 140

<210> 1296
 <211> 187
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (16)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (72)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1296
 Thr Ser Arg Val Trp Cys Pro His Val Arg Arg Asn Arg Pro Ser Xaa
 1 5 10 15

Gln Thr Ala Glu Pro Cys Ala Val Asn Trp Lys Ala Cys Lys Ala Thr
 20 25 30

Val Gly Thr Ile Gly His Gly Cys Gly Pro Ala Ile Ala Leu Ala Val
 35 40 45

Ala Gly Ile Phe Val Leu Leu Cys Gly Val Gly Ile Ser Arg Val Gln
 50 55 60

Leu Leu Asp Ser Arg Ser Arg Xaa Ala Thr Ala Glu Ala Gln Gln Arg
 65 70 75 80

Asp Ala Lys Arg Gln Glu Gln Glu Ala Lys Arg Ile Asn Asp Ala Asn
 85 90 95

Gln Ala Ala Ile Leu Arg Leu Met Asn Glu Leu Gln Ser Val Ala Glu
 100 105 110

Gly Asp Leu Thr Gln Glu Ala Thr Val Thr Glu Asp Ile Thr Gly Ala
 115 120 125

Ile Ala Asp Ser Val Asn Tyr Thr Val Glu Glu Ser Ala Ser Trp Trp
 130 135 140

Ala Thr Cys Arg Thr Pro Arg Pro Gly Trp Pro Arg Pro Pro Arg Arg
 145 150 155 160

Trp Thr Ala Pro Leu Arg Asn Cys Trp Arg Leu Arg Pro Ser Ser Cys
165 170 175

Val Lys Ser Val Lys Arg Ala Val Arg Cys Ser
180 185

<210> 1297
<211> 346
<212> PRT
<213> Homo sapiens

<400> 1297
Met Leu Leu Gly Val Gly Leu Val Val Leu Ala Leu Ile Ala Gly Trp
1 5 10 15

Val Leu Gln Gln Ala Asn Arg Ser Ala Gln Gln Leu Thr Ala Thr Gly
20 25 30

Gln Ser Leu Met Gln Ser Gln Arg Leu Ala Lys Ser Val Ser Gln Ala
35 40 45

Leu Val Gly Ser Pro Gln Ala Phe Pro Asp Val Val Glu Ser Ser Gly
50 55 60

Val Leu Ala Arg Asn Val Arg Ala Leu Asn Gly Gly Asp Asn Glu Leu
65 70 75 80

Asp Val Gln Ala Leu Gly Glu Pro Phe Arg Pro Glu Leu Asp Ala Ile
85 90 95

Thr Pro Leu Val Glu Arg Ala Glu Arg Asn Ala Gly Val Val Met Gly
100 105 110

Gln Gln Lys Ile Leu Thr Gln Val Gly Asp Ala Leu Arg Thr Ile Asn
115 120 125

Arg Gln Ser Ser Asp Leu Leu Glu Ile Ala Glu Thr Val Ser Ser Leu
130 135 140

Lys Leu Gln Gln Asn Ala Pro Ala Ser Glu Ile Ser Ala Ala Gly Gln
145 150 155 160

Leu Val Met Leu Thr Gln Arg Ile Gly Lys Ser Ala Asn Glu Phe Gln
165 170 175

Thr Thr Glu Gly Val Ser Pro Glu Ala Val Phe Leu Leu Gly Lys Asp
180 185 190

Leu Asn Ser Phe Lys Glu Ile Ala Arg Gly Met Leu Asp Gly Ser Ala
195 200 205

Asp Leu Arg Leu Ala Ala Thr Arg Asp Ala Gln Thr Arg Glu Gln Leu
210 215 220

Glu Ser Leu Ile Lys Leu Tyr Glu Gln Thr Arg Thr Gln Ala Gly Ala
 225 230 235 240
 Ile Leu Gly Asn Leu Gln Gly Leu Val Ser Ala Arg Glu Ala Gln Ser
 245 250 255
 Ala Ile Leu Ala Asp Ser Glu Pro Leu Arg Arg Gln Leu Glu Gly Leu
 260 265 270
 Gln Ser Lys Leu Ser Ala Gln Ser Gly Met Gly Ala Ala Ser Ser Leu
 275 280 285
 Arg Ser Pro Ser Pro Val Ser Ser Ser Cys Cys Ala Ala Trp Val Phe
 290 295 300
 Arg Ala Cys Ser Cys Trp Thr Ala Ala Ala Ala Lys Pro Arg Pro Lys
 305 310 315 320
 His Ser Ser Val Met Pro Ser Ala Arg Asn Arg Lys Pro Ser Ala Ser
 325 330 335
 Thr Thr Pro Thr Arg Arg Pro Phe Cys Asp
 340 345

<210> 1298
 <211> 29
 <212> PRT
 <213> Homo sapiens

<400> 1298
 Met His Leu Val Gly Gly Thr Leu Leu Val Leu Ala Pro Arg Gly Ala
 1 5 10 15
 Val Leu Pro Leu Ser Ser Gln Ser Met Pro Phe Leu Gln
 20 25

<210> 1299
 <211> 29
 <212> PRT
 <213> Homo sapiens

<400> 1299
 Met His Leu Val Gly Gly Thr Leu Leu Val Leu Ala Pro Arg Gly Ala
 1 5 10 15
 Val Leu Pro Leu Ser Ser Gln Ser Met Pro Phe Leu Gln
 20 25

<210> 1300
 <211> 299
 <212> PRT

<213> Homo sapiens

<400> 1300

Met	Gly	Thr	Lys	Ala	Gln	Val	Glu	Arg	Lys	Leu	Leu	Cys	Leu	Phe	Ile	
1				5					10					15		
Leu	Ala	Ile	Leu	Leu	Cys	Ser	Leu	Ala	Leu	Gly	Ser	Val	Thr	Val	His	
			20					25					30			
Ser	Ser	Glu	Pro	Glu	Val	Arg	Ile	Pro	Glu	Asn	Asn	Pro	Val	Lys	Leu	
		35				40					45					
Ser	Cys	Ala	Tyr	Ser	Gly	Phe	Ser	Ser	Pro	Arg	Val	Glu	Trp	Lys	Phe	
	50					55					60					
Asp	Gln	Gly	Asp	Thr	Thr	Arg	Leu	Val	Cys	Tyr	Asn	Asn	Lys	Ile	Thr	
65					70					75				80		
Ala	Ser	Tyr	Glu	Asp	Arg	Val	Thr	Phe	Leu	Pro	Thr	Gly	Ile	Thr	Phe	
				85					90					95		
Lys	Ser	Val	Thr	Arg	Glu	Asp	Thr	Gly	Thr	Tyr	Thr	Cys	Met	Val	Ser	
		100						105					110			
Glu	Glu	Gly	Gly	Asn	Ser	Tyr	Gly	Glu	Val	Lys	Val	Lys	Leu	Ile	Val	
		115					120					125				
Leu	Val	Pro	Pro	Ser	Lys	Pro	Thr	Val	Asn	Ile	Pro	Ser	Ser	Ala	Thr	
	130					135					140					
Ile	Gly	Asn	Arg	Ala	Val	Leu	Thr	Cys	Ser	Glu	Gln	Asp	Gly	Ser	Pro	
145					150					155					160	
Pro	Ser	Glu	Tyr	Thr	Trp	Phe	Lys	Asp	Gly	Ile	Val	Met	Pro	Thr	Asn	
			165					170					175			
Pro	Lys	Ser	Thr	Arg	Ala	Phe	Ser	Asn	Ser	Ser	Tyr	Val	Leu	Asn	Pro	
		180						185					190			
Thr	Thr	Gly	Glu	Leu	Val	Phe	Asp	Pro	Leu	Ser	Ala	Ser	Asp	Thr	Gly	
		195					200						205			
Glu	Tyr	Ser	Cys	Glu	Ala	Arg	Asn	Gly	Tyr	Gly	Thr	Pro	Met	Thr	Ser	
	210					215					220					
Asn	Ala	Val	Arg	Met	Glu	Ala	Val	Glu	Arg	Asn	Val	Gly	Val	Ile	Val	
225					230					235				240		
Ala	Ala	Val	Leu	Val	Thr	Leu	Ile	Leu	Leu	Gly	Ile	Leu	Val	Phe	Gly	
			245					250						255		
Ile	Trp	Phe	Ala	Tyr	Ser	Arg	Gly	His	Phe	Asp	Arg	Thr	Lys	Lys	Gly	
		260						265					270			
Thr	Ser	Ser	Lys	Lys	Val	Ile	Tyr	Ser	Gln	Pro	Ser	Ala	Arg	Ser	Glu	
		275					280					285				

Gly Glu Phe Lys Gln Thr Ser Ser Phe Leu Val
290 295

<210> 1301
<211> 299
<212> PRT
<213> Homo sapiens

<400> 1301
Met Gly Thr Lys Ala Gln Val Glu Arg Lys Leu Leu Cys Leu Phe Ile
1 5 10 15
Leu Ala Ile Leu Leu Cys Ser Leu Ala Leu Gly Ser Val Thr Val His
20 25 30
Ser Ser Glu Pro Glu Val Arg Ile Pro Glu Asn Asn Pro Val Lys Leu
35 40 45
Ser Cys Ala Tyr Ser Gly Phe Ser Ser Pro Arg Val Glu Trp Lys Phe
50 55 60
Asp Gln Gly Asp Thr Thr Arg Leu Val Cys Tyr Asn Asn Lys Ile Thr
65 70 75 80
Ala Ser Tyr Glu Asp Arg Val Thr Phe Leu Pro Thr Gly Ile Thr Phe
85 90 95
Lys Ser Val Thr Arg Glu Asp Thr Gly Thr Tyr Thr Cys Met Val Ser
100 105 110
Glu Glu Gly Gly Asn Ser Tyr Gly Glu Val Lys Val Lys Leu Ile Val
115 120 125
Leu Val Pro Pro Ser Lys Pro Thr Val Asn Ile Pro Ser Ser Ala Thr
130 135 140
Ile Gly Asn Arg Ala Val Leu Thr Cys Ser Glu Gln Asp Gly Ser Pro
145 150 155 160
Pro Ser Glu Tyr Thr Trp Phe Lys Asp Gly Ile Val Met Pro Thr Asn
165 170 175
Pro Lys Ser Thr Arg Ala Phe Ser Asn Ser Ser Tyr Val Leu Asn Pro
180 185 190
Thr Thr Gly Glu Leu Val Phe Asp Pro Leu Ser Ala Ser Asp Thr Gly
195 200 205
Glu Tyr Ser Cys Glu Ala Arg Asn Gly Tyr Gly Thr Pro Met Thr Ser
210 215 220
Asn Ala Val Arg Met Glu Ala Val Glu Arg Asn Val Gly Val Ile Val
225 230 235 240
Ala Ala Val Leu Val Thr Leu Ile Leu Leu Gly Ile Leu Val Phe Gly

<220>

<221> SITE

<222> (83)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (92)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (95)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1303

Met Ile Ala Ser Cys Leu Cys Tyr Leu Leu Leu Pro Ala Thr Arg Leu
1 5 10 15

Phe Arg Ala Leu Ser Xaa Ala Phe Phe Thr Cys Arg Lys Asn Val Leu
20 25 30

Leu Ala Asn Ser Ser Ser Pro Gln Val Glu Gly Asp Phe Ala Met Ala
35 40 45

Pro Arg Gly Pro Glu Gln Glu Glu Cys Glu Gly Leu Leu Gln Gln Trp
50 55 60

Arg Glu Glu Gly Leu Ser Gln Val Leu Ser Thr Ala Ser Glu Gly Pro
65 70 75 80

Leu Ile Xaa Lys Gly Leu Ala Gln Ser Ser Leu Xaa Leu Leu Xaa Asp
85 90 95

Asn Pro Gly Glu
100

<210> 1304

<211> 670

<212> PRT

<213> Homo sapiens

<400> 1304

Met Ile Ala Ser Cys Leu Cys Tyr Leu Leu Leu Pro Ala Thr Arg Leu
1 5 10 15

Phe Arg Ala Leu Ser Asp Ala Phe Phe Thr Cys Arg Lys Asn Val Leu
20 25 30

Leu Ala Asn Ser Ser Ser Pro Gln Val Glu Gly Asp Phe Ala Met Ala
35 40 45

Pro Arg Gly Pro Glu Gln Glu Glu Cys Glu Gly Leu Leu Gln Gln Trp
50 55 60

Arg	Glu	Glu	Gly	Leu	Ser	Gln	Val	Leu	Ser	Thr	Ala	Ser	Glu	Gly	Pro	65	70	75	80
Leu	Ile	Asp	Lys	Gly	Leu	Ala	Gln	Ser	Ser	Leu	Ala	Leu	Leu	Met	Asp	85	90	95	
Asn	Pro	Gly	Glu	Glu	Asn	Ala	Ala	Ser	Glu	Asp	Arg	Trp	Ser	Ser	Arg	100	105	110	
Gln	Leu	Ser	Asp	Leu	Arg	Ala	Ala	Glu	Asn	Leu	Asp	Glu	Pro	Phe	Pro	115	120	125	
Glu	Met	Leu	Gly	Glu	Glu	Pro	Leu	Leu	Glu	Val	Glu	Gly	Val	Glu	Gly	130	135	140	
Ser	Met	Trp	Ala	Ala	Ile	Pro	Met	Gln	Ser	Glu	Pro	Gln	Tyr	Ala	Asp	145	150	155	160
Cys	Ala	Ala	Leu	Pro	Val	Gly	Ala	Leu	Ala	Thr	Glu	Gln	Trp	Glu	Glu	165	170	175	
Asp	Pro	Ala	Val	Leu	Ala	Trp	Ser	Ile	Ala	Pro	Glu	Pro	Val	Pro	Gln	180	185	190	
Glu	Glu	Ala	Ser	Ile	Trp	Pro	Phe	Glu	Gly	Leu	Gly	Gln	Leu	Gln	Pro	195	200	205	
Pro	Ala	Val	Glu	Ile	Pro	Tyr	His	Glu	Ile	Leu	Trp	Arg	Glu	Trp	Glu	210	215	220	
Asp	Phe	Ser	Thr	Gln	Pro	Asp	Ala	Gln	Gly	Leu	Lys	Ala	Gly	Asp	Gly	225	230	235	240
Pro	Gln	Phe	Gln	Phe	Thr	Leu	Met	Ser	Tyr	Asn	Ile	Leu	Ala	Gln	Asp	245	250	255	
Leu	Met	Gln	Gln	Ser	Ser	Glu	Leu	Tyr	Leu	His	Cys	His	Pro	Asp	Ile	260	265	270	
Leu	Asn	Trp	Asn	Tyr	Arg	Phe	Val	Asn	Leu	Met	Gln	Glu	Phe	Gln	His	275	280	285	
Trp	Asp	Pro	Asp	Ile	Leu	Cys	Leu	Gln	Glu	Val	Gln	Glu	Asp	His	Tyr	290	295	300	
Trp	Glu	Gln	Leu	Glu	Pro	Ser	Leu	Arg	Met	Met	Gly	Phe	Thr	Cys	Phe	305	310	315	320
Tyr	Lys	Arg	Arg	Thr	Gly	Cys	Lys	Thr	Asp	Gly	Cys	Ala	Val	Cys	Tyr	325	330	335	
Lys	Pro	Thr	Arg	Phe	Arg	Leu	Leu	Cys	Ala	Ser	Pro	Val	Glu	Tyr	Phe	340	345	350	
Arg	Pro	Gly	Leu	Glu	Leu	Leu	Asn	Arg	Asp	Asn	Val	Gly	Leu	Val	Leu	355	360	365	

Leu	Leu	Gln	Pro	Leu	Val	Pro	Glu	Gly	Leu	Gly	Gln	Val	Ser	Val	Ala	370	375	380	
Pro	Leu	Cys	Val	Ala	Asn	Thr	His	Ile	Leu	Tyr	Asn	Pro	Arg	Arg	Gly	385	390	395	400
Asp	Val	Lys	Leu	Ala	Gln	Met	Ala	Ile	Leu	Leu	Ala	Glu	Val	Asp	Lys	405	410	415	
Val	Ala	Arg	Leu	Ser	Asp	Gly	Ser	His	Cys	Pro	Ile	Ile	Leu	Cys	Gly	420	425	430	
Asp	Leu	Asn	Ser	Val	Pro	Asp	Ser	Pro	Leu	Tyr	Asn	Phe	Ile	Arg	Asp	435	440	445	
Gly	Glu	Leu	Gln	Tyr	His	Gly	Met	Pro	Ala	Trp	Lys	Val	Ser	Gly	Gln	450	455	460	
Glu	Asp	Phe	Ser	His	Gln	Leu	Tyr	Gln	Arg	Lys	Leu	Gln	Ala	Pro	Leu	465	470	475	480
Trp	Pro	Ser	Ser	Leu	Gly	Ile	Thr	Asp	Cys	Cys	Gln	Tyr	Val	Thr	Ser	485	490	495	
Cys	His	Pro	Lys	Arg	Ser	Glu	Arg	Arg	Lys	Tyr	Gly	Arg	Asp	Phe	Leu	500	505	510	
Leu	Arg	Phe	Arg	Phe	Cys	Ser	Ile	Ala	Cys	Gln	Arg	Pro	Val	Gly	Leu	515	520	525	
Val	Leu	Met	Glu	Gly	Val	Thr	Asp	Thr	Lys	Pro	Glu	Arg	Pro	Ala	Gly	530	535	540	
Trp	Ala	Glu	Ser	Val	Leu	Glu	Glu	Asp	Ala	Ser	Glu	Leu	Glu	Pro	Ala	545	550	555	560
Phe	Ser	Arg	Thr	Val	Gly	Thr	Ile	Gln	His	Cys	Leu	His	Leu	Thr	Ser	565	570	575	
Val	Tyr	Thr	His	Phe	Leu	Pro	Gln	Arg	Gly	Arg	Pro	Glu	Val	Thr	Thr	580	585	590	
Met	Pro	Leu	Gly	Leu	Gly	Met	Thr	Val	Asp	Tyr	Ile	Phe	Phe	Ser	Ala	595	600	605	
Glu	Ser	Cys	Glu	Asn	Gly	Asn	Arg	Thr	Asp	His	Arg	Leu	Tyr	Arg	Asp	610	615	620	
Gly	Thr	Leu	Lys	Leu	Leu	Gly	Arg	Leu	Ser	Leu	Leu	Ser	Glu	Glu	Ile	625	630	635	640
Leu	Trp	Ala	Ala	Asn	Gly	Leu	Pro	Asn	Pro	Phe	Cys	Ser	Ser	Asp	His	645	650	655	
Leu	Cys	Leu	Leu	Ala	Ser	Phe	Gly	Met	Glu	Val	Thr	Ala	Pro	660	665	670			

<210> 1305
<211> 228
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (164)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (167)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (200)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (206)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (221)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1305
Met Ala Ala Ala Gly Ser Val Lys Ala Ala Leu Gln Val Ala Glu Val
1 5 10 15
Leu Glu Ala Ile Val Ser Cys Cys Val Gly Pro Glu Gly Arg Gln Val
20 25 30
Leu Cys Thr Lys Pro Thr Gly Glu Val Leu Leu Ser Arg Asn Gly Gly
35 40 45
Arg Leu Leu Glu Ala Leu His Leu Glu His Pro Ile Ala Arg Met Ile
50 55 60
Val Asp Cys Val Ser Ser His Leu Lys Lys Thr Gly Asp Gly Ala Lys
65 70 75 80
Thr Phe Ile Ile Phe Leu Cys His Leu Leu Arg Gly Leu His Ala Ile
85 90 95
Thr Asp Arg Glu Lys Asp Pro Leu Met Cys Glu Asn Ile Gln Thr His
100 105 110
Gly Arg His Trp Lys Asn Cys Ser Arg Trp Lys Phe Ile Ser Gln Ala
115 120 125

Leu Leu Thr Phe Gln Thr Gln Ile Leu Asp Gly Ile Met Asp Gln Tyr
 130 135 140
 Leu Ser Arg His Phe Leu Ser Ile Phe Ser Ser Ala Lys Glu Arg Thr
 145 150 155 160
 Leu Cys Arg Xaa Ser Leu Xaa Leu Leu Leu Glu Ala Tyr Phe Cys Gly
 165 170 175
 Lys Val Gly Arg Asn Asn His Lys Phe Ile Ser Gln Leu Met Cys Asp
 180 185 190
 Tyr Phe Phe Lys Cys Met Thr Xaa Lys Ser Gly Ile Gly Xaa Phe Glu
 195 200 205
 Leu Gly Asp Asp His Phe Val Lys Leu Asn Val Gly Xaa Leu Ala Phe
 210 215 220
 Leu Phe Lys Phe
 225

<210> 1306
 <211> 170
 <212> PRT
 <213> Homo sapiens

<400> 1306

Met Ala Ala Ala Gly Ser Val Lys Ala Ala Leu Gln Val Ala Glu Val
 1 5 10 15
 Leu Glu Ala Ile Val Ser Cys Cys Val Gly Pro Glu Gly Arg Gln Val
 20 25 30
 Leu Cys Thr Lys Pro Thr Gly Glu Val Leu Leu Ser Arg Asn Gly Gly
 35 40 45
 Arg Leu Leu Glu Ala Leu His Leu Glu His Pro Ile Ala Arg Met Ile
 50 55 60
 Val Asp Cys Val Ser Ser His Leu Lys Lys Thr Gly Asp Gly Ala Lys
 65 70 75 80
 Thr Phe Ile Ile Phe Leu Cys His Leu Leu Arg Gly Leu His Ala Ile
 85 90 95
 Thr Asp Arg Glu Lys Asp Pro Leu Met Cys Glu Asn Ile Gln Thr His
 100 105 110
 Gly Arg His Trp Lys Asn Cys Ser Arg Trp Lys Phe Ile Ser Gln Ala
 115 120 125
 Leu Leu Thr Phe Gln Thr Gln Ile Leu Asp Gly Ile Met Asp Gln Tyr
 130 135 140

Leu Ser Arg His Phe Leu Ser Ile Phe Ser Ser Ala Lys Glu Arg Thr
 145 150 155 160

Leu Cys Arg Ser Ser Leu Glu Ser Val Ser
 165 170

<210> 1307
 <211> 149
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (87)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (95)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (107)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1307
 Met Gly Ala Pro Leu Leu Ser Pro Gly Trp Gly Ala Gly Ala Ala Gly
 1 5 10 15

Arg Arg Trp Trp Met Leu Leu Ala Pro Leu Leu Pro Ala Leu Leu Leu
 20 25 30

Val Arg Pro Ala Gly Ala Leu Val Glu Gly Leu Tyr Cys Gly Thr Arg
 35 40 45

Asp Cys Tyr Glu Val Leu Gly Val Ser Arg Ser Ala Gly Lys Ala Glu
 50 55 60

Ile Ala Arg Ala Tyr Arg Gln Leu Ala Arg Arg Tyr His Pro Asp Arg
 65 70 75 80

Tyr Arg Pro Gln Pro Gly Xaa Glu Gly Pro Gly Arg Thr Pro Xaa Ser
 85 90 95

Ala Glu Glu Ala Phe Leu Leu Val Ala Thr Xaa Tyr Glu Thr Leu Lys
 100 105 110

Asp Glu Glu Thr Arg Lys Asp Tyr Asp Tyr Met Leu Asp His Pro Glu
 115 120 125

Glu Tyr Tyr Ser His Tyr Tyr His Tyr Tyr Ser Arg Arg Leu Ala Leu
 130 135 140

Arg Trp Met Leu Glu

145

<210> 1308

<211> 360

<212> PRT

<213> Homo sapiens

<400> 1308

Met Gly Ala Pro Leu Leu Ser Pro Gly Trp Gly Ala Gly Ala Ala Gly
1 5 10 15

Arg Arg Trp Trp Met Leu Leu Ala Pro Leu Leu Pro Ala Leu Leu Leu
20 25 30

Val Arg Pro Ala Gly Ala Leu Val Glu Gly Leu Tyr Cys Gly Thr Arg
35 40 45

Asp Cys Tyr Glu Val Leu Gly Val Ser Arg Ser Ala Gly Lys Ala Glu
50 55 60

Ile Ala Arg Ala Tyr Arg Gln Leu Ala Arg Arg Tyr His Pro Asp Arg
65 70 75 80

Tyr Arg Pro Gln Pro Gly Asp Glu Gly Pro Gly Arg Thr Pro Gln Ser
85 90 95

Ala Glu Glu Ala Phe Leu Leu Val Ala Thr Ala Tyr Glu Thr Leu Lys
100 105 110

Asp Glu Glu Thr Arg Lys Asp Tyr Asp Tyr Met Leu Asp His Pro Glu
115 120 125

Glu Tyr Tyr Ser His Tyr Tyr His Tyr Tyr Ser Arg Arg Leu Ala Pro
130 135 140

Lys Val Asp Val Arg Val Val Ile Leu Val Ser Val Cys Ala Ile Ser
145 150 155 160

Val Phe Gln Phe Phe Ser Trp Trp Asn Ser Tyr Asn Lys Ala Ile Ser
165 170 175

Tyr Leu Ala Thr Val Pro Lys Tyr Arg Ile Gln Ala Thr Glu Ile Ala
180 185 190

Lys Gln Gln Gly Leu Leu Lys Lys Ala Lys Glu Lys Gly Lys Asn Lys
195 200 205

Lys Ser Lys Glu Glu Ile Arg Asp Glu Glu Glu Asn Ile Ile Lys Asn
210 215 220

Ile Ile Lys Ser Lys Ile Asp Ile Lys Gly Gly Tyr Gln Lys Pro Gln
225 230 235 240

Ile Cys Asp Leu Leu Leu Phe Gln Ile Ile Leu Ala Pro Phe His Leu
245 250 255

Cys Ser Tyr Ile Val Trp Tyr Cys Arg Trp Ile Tyr Asn Phe Asn Ile
 260 265 270
 Lys Gly Lys Glu Tyr Gly Glu Glu Glu Arg Leu Tyr Ile Ile Arg Lys
 275 280 285
 Ser Met Lys Met Ser Lys Ser Gln Phe Asp Ser Leu Glu Asp His Gln
 290 295 300
 Lys Glu Thr Phe Leu Lys Arg Glu Leu Trp Ile Lys Glu Asn Tyr Glu
 305 310 315 320
 Val Tyr Lys Gln Glu Gln Glu Glu Glu Leu Lys Lys Lys Leu Ala Asn
 325 330 335
 Asp Pro Arg Trp Lys Arg Tyr Arg Arg Trp Met Lys Asn Glu Gly Pro
 340 345 350
 Gly Arg Leu Thr Phe Val Asp Asp
 355 360

<210> 1309
 <211> 128
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (122)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1309
 Met Glu Ser His Leu Ser Thr Trp Pro Cys His Pro Ser Cys Cys Leu
 1 5 10 15
 Phe Leu Ile Leu Leu Phe Pro Ser His Pro Thr Ser Met Thr Lys Ser
 20 25 30
 Lys Ala Arg Leu Pro His Leu Glu Asn Cys Ser Gln Asn Asp Thr Ser
 35 40 45
 Lys Pro Leu Gly Gln Ala Arg Pro Pro Ser Ser Pro Thr Arg Thr Thr
 50 55 60
 Asp Leu Thr Thr Gly Pro Thr Ser Ser Pro Ala Pro Leu Gly Ile Leu
 65 70 75 80
 His Thr Ala Val Arg Val Thr His Leu His Thr Leu Thr Leu Met Gly
 85 90 95
 Glu Glu Lys Ala Val Phe Val Ala Arg Ala Gln Val Gly Asn Leu Gly
 100 105 110
 Leu Val Phe Arg Lys Ala Arg Gly Ser Xaa Phe Pro Thr Leu Gly Arg

115

120

125

<210> 1310
 <211> 112
 <212> PRT
 <213> Homo sapiens

<400> 1310
 Met Glu Ser His Leu Ser Thr Trp Pro Cys His Pro Ser Cys Cys Leu
 1 5 10 15
 Phe Leu Ile Leu Leu Phe Pro Ser His Pro Thr Ser Met Thr Lys Ser
 20 25 30
 Lys Ala Arg Leu Pro His Leu Glu Asn Cys Ser Gln Asn Asp Thr Ser
 35 40 45
 Lys Pro Leu Gly Gln Ala Arg Pro Pro Ser Ser Pro Thr Arg Thr Thr
 50 55 60
 Asp Leu Thr Thr Gly Pro Thr Ser Ser Pro Ala Pro Leu Gly Ile Leu
 65 70 75 80
 His Thr Ala Val Arg Val Thr His Leu His Thr Leu Thr Leu Met Gly
 85 90 95
 Glu Glu Lys Ala Val Phe Val Ala Arg Ala Gln Val Gly Thr Leu Ala
 100 105 110

<210> 1311
 <211> 108
 <212> PRT
 <213> Homo sapiens

<400> 1311
 Met Phe Val Ser Val Thr Ala Phe Phe Phe Ser Leu Leu Phe Leu Gly
 1 5 10 15
 Met Phe Leu Ser Gly Met Val Ala Gln Ile Asp Ala Asn Trp Asn Phe
 20 25 30
 Leu Asp Phe Ala Tyr His Phe Thr Val Phe Val Phe Tyr Phe Gly Ala
 35 40 45
 Phe Leu Leu Glu Ala Ala Ala Thr Ser Leu His Asp Leu His Cys Asn
 50 55 60

Thr Thr Ile Thr Gly Gln Pro Leu Leu Ser Asp Asn Gln Tyr Asn Ile
65 70 75 80

Asn Val Ala Ala Ser Ile Phe Ala Phe Met Thr Thr Ala Cys Tyr Gly
85 90 95

Cys Ser Leu Gly Leu Ala Leu Arg Arg Trp Arg Pro
100 105

<210> 1312
<211> 77
<212> PRT
<213> Homo sapiens

<400> 1312
Asn His Ile Gln His Lys Asn Tyr Phe Trp Leu Asn Ser Thr Glu Lys
1 5 10 15

Tyr Phe Asn Leu Pro Val Glu Ile Leu Val Met Glu Arg Cys Gln Thr
20 25 30

Val Leu Asn Gly Arg Thr Ser Lys Ser Glu Ala Thr Val Pro Thr Thr
35 40 45

Arg Gly Leu Leu Tyr Cys Ser Thr Phe Ser Ala Leu Tyr Phe Leu Ala
50 55 60

Glu Ala Ser Pro Trp Ser Ala Met Tyr Lys Leu Gly Tyr
65 70 75

<210> 1313
<211> 108
<212> PRT
<213> Homo sapiens

<400> 1313
Met Phe Val Ser Val Thr Ala Phe Phe Phe Ser Leu Leu Phe Leu Gly
1 5 10 15

Met Phe Leu Ser Gly Met Val Ala Gln Ile Asp Ala Asn Trp Asn Phe
20 25 30

Leu Asp Phe Ala Tyr His Phe Thr Val Phe Val Phe Tyr Phe Gly Ala
35 40 45

Phe Leu Leu Glu Ala Ala Ala Thr Ser Leu His Asp Leu His Cys Asn
50 55 60

Thr Thr Ile Thr Gly Gln Pro Leu Leu Ser Asp Asn Gln Tyr Asn Ile
65 70 75 80

Asn Val Ala Ala Ser Ile Phe Ala Phe Met Thr Thr Ala Trp Tyr Gly
85 90 95

Cys Ser Leu Gly Leu Ala Leu Arg Arg Trp Arg Pro
100 105

<210> 1314
<211> 176
<212> PRT
<213> Homo sapiens

<400> 1314
Met Ser Ala Gly Gly Ala Ser Val Pro Pro Pro Pro Asn Pro Ala Val
1 5 10 15
Ser Phe Pro Pro Pro Arg Val Thr Leu Pro Ala Gly Pro Asp Ile Leu
20 25 30
Arg Thr Tyr Ser Gly Ala Phe Val Cys Leu Glu Ile Leu Phe Gly Gly
35 40 45
Leu Val Trp Ile Leu Val Ala Ser Ser Asn Val Pro Leu Pro Leu Leu
50 55 60
Gln Gly Trp Val Met Phe Val Ser Val Thr Ala Phe Phe Phe Ser Leu
65 70 75 80
Leu Phe Leu Gly Met Phe Leu Ser Gly Met Val Ala Gln Ile Asp Ala
85 90 95
Asn Trp Asn Phe Leu Asp Phe Ala Tyr His Phe Thr Val Phe Val Phe
100 105 110
Tyr Phe Gly Ala Phe Leu Leu Glu Ala Ala Ala Thr Ser Leu His Asp
115 120 125
Leu His Cys Asn Thr Thr Ile Thr Gly Gln Pro Leu Leu Ser Asp Asn
130 135 140
Gln Tyr Asn Ile Asn Val Ala Ala Ser Ile Phe Ala Phe Met Thr Thr
145 150 155 160
Ala Cys Tyr Gly Cys Ser Leu Gly Leu Ala Leu Arg Arg Trp Arg Pro
165 170 175

<210> 1315
<211> 103
<212> PRT
<213> Homo sapiens

<400> 1315
Met Pro Leu Cys Ser Leu Leu Thr Cys Leu Gly Leu Asn Val Leu Phe

1	5	10	15
Leu Thr Leu Asn Glu Gly Ala Trp Tyr Ser Val Gly Ala Leu Met Ile	20	25	30
Ser Val Pro Ala Leu Leu Gly Tyr Leu Gln Glu Val Cys Arg Ala Arg	35	40	45
Leu Pro Asp Ser Glu Leu Met Arg Arg Lys Tyr His Ser Val Arg Gln	50	55	60
Glu Asp Leu Gln Arg Val Arg Leu Ser Arg Pro Glu Ala Val Ala Glu	65	70	75
Val Lys Ser Phe Leu Ile Gln Leu Glu Ala Phe Leu Lys Pro Pro Val	85	90	95
Leu His Met Leu Lys Pro Pro	100		

<210> 1316
 <211> 237
 <212> PRT
 <213> Homo sapiens

<400> 1316
Met Pro Leu Cys Ser Leu Leu Thr Cys Leu Gly Leu Asn Val Leu Phe
1 5 10 15
Leu Thr Leu Asn Glu Gly Ala Trp Tyr Ser Val Gly Ala Leu Met Ile
20 25 30
Ser Val Pro Ala Leu Leu Gly Tyr Leu Gln Glu Val Cys Arg Ala Arg
35 40 45
Leu Pro Asp Ser Glu Leu Met Arg Arg Lys Tyr His Ser Val Arg Gln
50 55 60
Glu Asp Leu Gln Arg Val Arg Leu Ser Arg Pro Glu Ala Val Ala Glu
65 70 75 80
Val Lys Ser Phe Leu Ile Gln Leu Glu Ala Phe Leu Ser Arg Leu Cys
85 90 95
Cys Thr Cys Glu Ala Ala Tyr Arg Val Leu His Trp Glu Asn Pro Val
100 105 110
Val Ser Ser Gln Phe Tyr Gly Ala Leu Leu Gly Thr Val Cys Met Leu
115 120 125
Tyr Leu Leu Pro Leu Cys Trp Val Leu Thr Leu Leu Asn Ser Thr Leu
130 135 140
Phe Leu Gly Asn Val Glu Phe Phe Arg Val Val Ser Glu Tyr Arg Ala
145 150 155 160

Ser Leu Gln Gln Arg Met Asn Pro Lys Gln Glu Glu His Ala Phe Glu
 165 170 175
 Ser Pro Pro Pro Pro Asp Val Gly Gly Lys Asp Gly Leu Met Asp Ser
 180 185 190
 Thr Pro Ala Leu Thr Pro Thr Glu Asp Leu Thr Pro Gly Ser Val Glu
 195 200 205
 Glu Ala Glu Glu Ala Glu Pro Asp Glu Glu Phe Lys Asp Ala Ile Asp
 210 215 220
 Glu Asp Asp Glu Gly Ala Pro Cys Pro Ala Leu Phe Leu
 225 230 235

<210> 1317
 <211> 165
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (54)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (62)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (64)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (96)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1317
 Met Ala Arg Leu Gly Ala Val Arg Ser His Tyr Cys Ala Leu Leu Leu
 1 5 10 15

Ala Ala Ala Leu Ala Val Cys Ala Phe Tyr Tyr Leu Gly Ser Gly Arg
 20 25 30

Glu Thr Phe Ser Ser Ala Thr Lys Arg Leu Lys Glu Ala Arg Ala Gly
 35 40 45

Ala Pro Ala Ala Pro Xaa Pro Pro Ala Leu Glu Leu Ala Xaa Gly Xaa
 50 55 60

Val Ala Pro Ala Pro Gly Ala Lys Ala Lys Ser Leu Glu Gly Gly Gly

65		70		75		80
Ala Gly Pro Val Asp Tyr His Leu Leu Met Met Phe Thr Lys Ala Xaa						
	85			90		95
His Asn Ala Ala Leu Gln Ala Lys Ala Arg Val Ala Leu Arg Ser Leu						
	100			105		110
Leu Arg Leu Ala Lys Phe Glu Ala His Glu Val Leu Asn Leu His Phe						
	115			120		125
Val Ser Glu Glu Ala Ser Arg Glu Val Ala Lys Gly Leu Leu Arg Glu						
	130			135		140
Leu Leu Pro Pro Pro Leu Ala Ser Ser Ala Arg Ser Ser Ser Thr Ile						
	145			150		155
Cys Cys Ala Asp Gly						
	165					

<210> 1318
 <211> 159
 <212> PRT
 <213> Homo sapiens

<400> 1318
Ala Ser Lys Arg Met Pro Ala His His Ile Leu Thr Leu Gly Gly Cys
1 5 10 15
Cys Thr Arg Ile Leu Leu Met Leu Thr Ser Leu Gly Val Gly Phe Arg
20 25 30
Ile Ala Ser Leu Arg Lys Asp Phe Arg Thr Asn Trp Gly Leu His Lys
35 40 45
Lys Thr Tyr Leu Ile Ile Arg Val Leu Thr Ala Cys Ile Ser Gln Leu
50 55 60
His Pro Arg Thr Pro Leu Ser Phe Ile Pro Pro Asn Gln Leu Gln Val
65 70 75 80
Thr Arg Leu Tyr Ser Glu Ser Lys Phe Val Ile Lys Glu Gln Arg Leu
85 90 95
Ala Thr Thr Arg Thr Cys Arg Arg Thr Val Gly Thr Arg Lys Thr His
100 105 110
Ser Lys Lys Pro Arg Pro Gly Thr Val Val Lys Pro Val Ile Pro Thr
115 120 125
Leu Trp Glu Thr Glu Val Gly Val Ser Ile Glu Pro Arg Arg Ser Arg
130 135 140
Ser Ala Trp Glu Thr Gln Gly Gly Pro His Arg Tyr Lys Ile Phe
145 150 155

<210> 1319
<211> 380
<212> PRT
<213> Homo sapiens

<400> 1319

Met Ala Arg Leu Gly Ala Val Arg Ser His Tyr Cys Ala Leu Leu Leu
1 5 10 15

Ala Ala Ala Leu Ala Val Cys Ala Phe Tyr Tyr Leu Gly Ser Gly Arg
20 25 30

Glu Thr Phe Ser Ser Ala Thr Lys Arg Leu Lys Glu Ala Arg Ala Gly
35 40 45

Ala Pro Ala Ala Pro Ser Pro Pro Ala Leu Glu Leu Ala Arg Gly Ser
50 55 60

Val Ala Pro Ala Pro Gly Ala Lys Ala Lys Ser Leu Glu Gly Gly Gly
65 70 75 80

Ala Gly Pro Val Asp Tyr His Leu Leu Met Met Phe Thr Lys Ala Glu
85 90 95

His Asn Ala Ala Leu Gln Ala Lys Ala Arg Val Ala Leu Arg Ser Leu
100 105 110

Leu Arg Leu Ala Lys Phe Glu Ala His Glu Val Leu Asn Leu His Phe
115 120 125

Val Ser Glu Glu Ala Ser Arg Glu Val Ala Lys Gly Leu Leu Arg Glu
130 135 140

Leu Leu Pro Pro Ala Ala Gly Phe Lys Cys Lys Val Ile Phe His Asp
145 150 155 160

Val Ala Val Leu Thr Asp Lys Leu Phe Pro Ile Val Glu Ala Met Gln
165 170 175

Lys His Phe Ser Ala Gly Leu Gly Thr Tyr Tyr Ser Asp Ser Ile Phe
180 185 190

Phe Leu Ser Val Ala Met His Gln Ile Met Pro Lys Glu Ile Leu Gln
195 200 205

Ile Ile Gln Leu Asp Leu Asp Leu Lys Phe Lys Thr Asn Ile Arg Glu
210 215 220

Leu Phe Glu Glu Phe Asp Ser Phe Leu Pro Gly Ala Ile Ile Gly Ile
225 230 235 240

Ala Arg Glu Met Gln Pro Val Tyr Arg His Thr Phe Trp Gln Phe Arg
245 250 255

His Glu Asn Pro Gln Thr Arg Val Gly Gly Pro Pro Pro Glu Gly Leu
 260 265 270
 Pro Gly Phe Asn Ser Gly Val Met Leu Leu Asn Leu Glu Ala Met Arg
 275 280 285
 Gln Ser Pro Leu Tyr Ser Arg Leu Leu Glu Pro Ala Gln Val Gln Gln
 290 295 300
 Leu Ala Asp Lys Tyr His Phe Arg Gly His Leu Gly Asp Gln Asp Phe
 305 310 315 320
 Phe Thr Met Ile Gly Met Glu His Pro Lys Leu Phe His Val Leu Asp
 325 330 335
 Cys Thr Trp Asn Arg Gln Leu Cys Thr Trp Trp Arg Asp His Gly Tyr
 340 345 350
 Ser Asp Val Phe Glu Ala Tyr Phe Arg Cys Glu Gly His Val Lys Ile
 355 360 365
 Tyr His Gly Asn Cys Asn Thr Pro Ile Pro Glu Asp
 370 375 380

<210> 1320
 <211> 73
 <212> PRT
 <213> Homo sapiens

<400> 1320
 Leu Glu Ser Tyr Ser Ser Val Arg Glu Leu Leu Val Ser Val Arg Phe
 1 5 10 15
 Tyr Val Val Cys Lys Val Arg Gly Ser Val Leu Phe Pro Tyr Leu Gly
 20 25 30
 Lys Ser Thr Ala Gly Val Glu Gly Leu Tyr Val Pro Phe Asn Val Thr
 35 40 45
 Val Leu Lys Asp Leu Ser Arg Glu Ser Glu Ser Phe Ala Glu Cys Asp
 50 55 60
 Arg Arg Leu Asn Asn Leu Ile Cys Phe
 65 70

<210> 1321
 <211> 95
 <212> PRT
 <213> Homo sapiens

<400> 1321
 Met Ala Ala Ser Arg Trp Ala Arg Lys Ala Val Val Leu Leu Cys Ala
 1 5 10 15

Ser Asp Leu Leu Leu Leu Leu Leu Leu Leu Pro Pro Pro Gly Ser Cys
 20 25 30
 Ala Ala Glu Ala Arg Pro Gly Arg Pro Thr Ser Leu Pro His Leu Pro
 35 40 45
 Gly Arg Arg Arg Arg Ile Phe Ala Ile Thr Met Met Gln Thr Trp Arg
 50 55 60
 Val Phe Trp Ser Asn Gly Arg Lys Met Met Thr Leu Lys Lys Glu Ile
 65 70 75 80
 Phe Gln Ser Thr Arg Asp Leu Gln His Leu Ser Thr Ser Gln Arg
 85 90 95

<210> 1322
 <211> 234
 <212> PRT
 <213> Homo sapiens

<400> 1322
 Met Ala Ala Ser Arg Trp Ala Arg Lys Ala Val Val Leu Leu Cys Ala
 1 5 10 15
 Ser Asp Leu Leu Leu Leu Leu Leu Leu Leu Pro Pro Pro Gly Ser Cys
 20 25 30
 Ala Ala Glu Gly Ser Pro Gly Thr Pro Asp Glu Ser Thr Pro Pro Pro
 35 40 45
 Arg Lys Lys Lys Lys Asp Ile Arg Asp Tyr Asn Asp Ala Asp Met Ala
 50 55 60
 Arg Leu Leu Glu Gln Trp Glu Lys Asp Asp Asp Ile Glu Glu Gly Asp
 65 70 75 80
 Leu Pro Glu His Lys Arg Pro Ser Ala Pro Val Asp Phe Ser Lys Ile
 85 90 95
 Asp Pro Ser Lys Pro Glu Ser Ile Leu Lys Met Thr Lys Lys Gly Lys
 100 105 110
 Thr Leu Met Met Phe Val Thr Val Ser Gly Ser Pro Thr Glu Lys Glu
 115 120 125
 Thr Glu Glu Ile Thr Ser Leu Trp Gln Gly Ser Leu Phe Asn Ala Asn
 130 135 140
 Tyr Asp Val Gln Arg Phe Ile Val Gly Ser Asp Arg Ala Ile Phe Met
 145 150 155 160
 Leu Arg Asp Gly Ser Tyr Ala Trp Glu Ile Lys Asp Phe Leu Val Gly
 165 170 175

Gln Asp Arg Cys Ala Asp Val Thr Leu Glu Gly Gln Val Tyr Pro Gly
180 185 190

Lys Gly Gly Gly Ser Lys Glu Lys Asn Lys Thr Lys Gln Asp Lys Gly
195 200 205

Lys Lys Lys Lys Glu Gly Asp Leu Lys Ser Arg Ser Ser Lys Glu Glu
210 215 220

Asn Arg Ala Gly Asn Lys Arg Glu Asp Leu
225 230

<210> 1323
<211> 15
<212> PRT
<213> Homo sapiens

<400> 1323
Asn Ala Thr Lys Ser Gln Pro Cys Leu Ser Ser Leu Leu Leu Phe
1 5 10 15

<210> 1324
<211> 62
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1324
Lys Tyr Xaa Lys His Pro Ser Lys Ser Phe Glu Leu Thr Leu Val Leu
1 5 10 15

Arg Lys Leu Ser Leu His Asn Gln Pro Pro Gly Lys Thr Glu Cys His
20 25 30

Leu Leu Lys Ser Lys Cys Cys Val Ile Ile Thr Leu Gln Thr Lys Trp
35 40 45

Arg Tyr Tyr Leu Phe Cys Lys Gln Gln Thr Lys Gln Asn Ser
50 55 60

<210> 1325
<211> 15
<212> PRT
<213> Homo sapiens

<400> 1325
Asn Ala Thr Lys Ser Gln Pro Cys Leu Ser Ser Leu Leu Leu Phe

1

5

10

15

<210> 1326

<211> 228

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (92)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (134)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (170)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (195)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (205)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (209)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (214)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1326

Met Val Pro Asn Trp Ile Gln Gly Arg Trp Asp Val Leu Leu Cys Val

1

5

10

15

Leu Thr Val Gly Val Leu Pro Ser Ile Gly Ser Arg Gly Gly Trp Phe

20

25

30

Gly Thr Gln Val Pro Cys Leu Ile Pro Gly Ala Leu Ala Ser Leu His

35

40

45

Arg Gly Thr Ala Leu Gln Leu Ser Tyr Pro Phe Ser Met Ala Gly Arg

50

55

60

Thr Ala Glu Arg Pro Cys Ser Met Thr Asn His Ser Phe His Leu Leu
 65 70 75 80
 Ser Ile Tyr Trp Glu Leu Gly Thr Val Leu Ser Xaa Lys Arg Val Leu
 85 90 95
 Thr His Leu Leu Gln Gln Pro Gly Lys Ala Gly Ser Ser Val Ser Pro
 100 105 110
 Cys Ser Lys Leu Gly Asp Leu Glu His Arg Arg Ser Ser Ala Trp Leu
 115 120 125
 Lys Ala His Ser Ser Xaa Val Gln Ile Leu Cys Pro Ser Trp His Pro
 130 135 140
 Ser Leu Gly Gly Ser Gly Val Gly Ser Leu Gln Ser Val Pro Gly Gly
 145 150 155 160
 Trp Met Thr Lys Leu Gln Pro Ser Arg Xaa Pro Thr Ile Ser Ile Ala
 165 170 175
 Gln Trp Ser Gln Lys Glu Thr Asp His Phe Thr Asp Gln Arg Asn Lys
 180 185 190
 Gly Ala Xaa Leu Leu Asn Pro Gly Ala Ser Asp Arg Xaa Lys Pro Glu
 195 200 205
 Xaa Arg Thr Lys Lys Xaa Pro Val Asn Ser Glu Pro Gly Glu Thr Leu
 210 215 220
 Pro Phe Thr Asn
 225

<210> 1327
 <211> 84
 <212> PRT
 <213> Homo sapiens

<400> 1327
 Asp Asn Phe Leu Leu Gly Val Ala Trp Phe Phe Arg Gly Arg Gly Ser
 1 5 10 15
 Ala His Val Gly Val Val Ser Arg Gln Lys Gln Trp Glu Glu Gly Thr
 20 25 30
 Ala Lys His Ala Ala Trp Asp Tyr Gly Cys Pro Gln Ser Cys Ser Phe
 35 40 45
 Ser Lys Gly Val Phe Cys Leu Phe Leu Arg Gln Gly His Thr Leu Ser
 50 55 60
 Pro Arg Met Glu Cys Ser Gly Pro Ile Leu Ala His Cys Asn Leu Glu
 65 70 75 80
 Leu Leu Gly Ser

<210> 1328
<211> 174
<212> PRT
<213> Homo sapiens

<400> 1328

Met	Val	Pro	Asn	Trp	Ile	Gln	Gly	Arg	Trp	Asp	Val	Leu	Leu	Cys	Val
1				5					10					15	
Leu	Thr	Val	Gly	Val	Leu	Pro	Ser	Ile	Gly	Ser	Arg	Gly	Gly	Trp	Phe
			20					25					30		
Gly	Thr	Gln	Val	Pro	Cys	Leu	Ile	Pro	Gly	Ala	Leu	Ala	Ser	Leu	His
			35				40					45			
Arg	Gly	Thr	Ala	Leu	Gln	Leu	Ser	Tyr	Pro	Phe	Ser	Met	Ala	Gly	Arg
			50			55					60				
Thr	Ala	Glu	Arg	Pro	Cys	Ser	Met	Thr	Asn	His	Ser	Phe	His	Leu	Leu
65					70				75						80
Ser	Ile	Tyr	Trp	Glu	Leu	Gly	Thr	Val	Leu	Ser	Val	Lys	Arg	Val	Leu
				85					90					95	
Thr	His	Leu	Leu	Gln	Gln	Pro	Gly	Lys	Ala	Gly	Ser	Ser	Val	Ser	Pro
			100					105					110		
Cys	Ser	Lys	Leu	Gly	Asp	Leu	Glu	His	Arg	Arg	Ser	Ser	Ala	Trp	Leu
			115				120					125			
Lys	Ala	His	Ser	Ser	Glu	Val	Gln	Ile	Leu	Cys	Pro	Ser	Trp	His	Pro
	130					135					140				
Ser	Leu	Gly	Gly	Ser	Gly	Val	Gly	Ser	Leu	Gln	Ser	Val	Pro	Gly	Gly
145					150					155					160
Trp	Met	Thr	Ser	Cys	Ser	Leu	Pro	Ala	Thr	Pro	Arg	Phe	Pro		
				165					170						

<210> 1329
<211> 115
<212> PRT
<213> Homo sapiens

<400> 1329

Met	Val	Pro	Asn	Trp	Ile	Gln	Gly	Arg	Trp	Asp	Val	Leu	Leu	Cys	Val
1				5					10					15	
Leu	Thr	Val	Gly	Val	Leu	Pro	Ser	Ile	Gly	Ser	Arg	Gly	Gly	Trp	Phe
			20					25					30		

Gly Thr Gln Val Pro Cys Leu Ile Pro Gly Ala Leu Ala Ser Leu His
 35 40 45
 Arg Gly Thr Ala Leu Gln Leu Ser Tyr Pro Phe Ser Met Ala Gly Arg
 50 55 60
 Thr Ala Glu Arg Pro Cys Ser Met Thr Asn His Ser Phe His Leu Leu
 65 70 75 80
 Ser Ile Tyr Trp Glu Leu Gly Thr Val Leu Ser Val Lys Arg Val Leu
 85 90 95
 Thr His Leu Leu Gln Gln Pro Gly Lys Ala Val Leu Pro Leu Ala Pro
 100 105 110
 Ala Gln Ser
 115

<210> 1330
 <211> 59
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (54)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (56)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1330
 Met Glu Asn Gln Met Leu Thr Cys Val Ala Ile Phe Val Leu Phe Cys
 1 5 10 15
 Phe Val Leu Phe Leu Arg Gln Gly Leu Ala Leu Ser Pro Arg Leu Glu
 20 25 30
 Cys Ser Gly Met Ile Arg Ala Tyr Cys Ser Leu Thr Leu Asp Phe Leu
 35 40 45
 Gly Ser Ser Asn Pro Xaa Thr Xaa Ala Pro Lys
 50 55

<210> 1331
 <211> 59
 <212> PRT
 <213> Homo sapiens

<400> 1331
 Met Glu Asn Gln Met Leu Thr Cys Val Ala Ile Phe Val Leu Phe Cys

1	5	10	15
Phe Val Leu Phe Leu Arg Gln Gly Leu Ala Leu Ser Pro Arg Leu Glu	20	25	30
Cys Ser Gly Met Ile Arg Ala Tyr Cys Ser Leu Thr Leu Asp Phe Leu	35	40	45
Gly Ser Ser Asn Pro Pro Thr Ser Ala Pro Lys	50	55	

<210> 1332
 <211> 100
 <212> PRT
 <213> Homo sapiens

<400> 1332
Gly Ser Phe Leu Ser Pro Trp Gly Pro Ile Leu Trp Gly Leu Gly Ala
1 5 10 15
Gly Val Leu Met Gly Asp Ala Leu Gln Gly Arg Glu Gly Arg Met Gln
20 25 30
Ala Thr Val Gly Ala Gly Pro Glu Gly Ser Glu Thr Val Ala Val Gln
35 40 45
Val Cys Val Ile Arg Glu Ala Val Val Gly Glu Glu Val Ser Asp Cys
50 55 60
Val Ala Pro Leu Cys Gly Val Gly Gly Gln Gly Gly Ala Ala Lys Glu
65 70 75 80
Ala Arg Lys Met Gly Gly Gly Trp Asp Gly Leu Gly Ser His Ile His
85 90 95
Val Leu Asp Phe
100

<210> 1333
 <211> 99
 <212> PRT
 <213> Homo sapiens

<400> 1333
Met Leu Ile Leu Gly Ser Met Phe Ser Leu Val Glu Pro Val Leu Thr
1 5 10 15
Ile Ala Ala Ala Leu Ser Val Gln Ser Pro Phe Thr Arg Ser Ala Gln
20 25 30
Ser Ser Pro Glu Cys Ala Ala Ala Arg Arg Pro Leu Glu Ser Asp Gln
35 40 45

Gly Asp Pro Phe Thr Leu Phe Asn Val Phe Asn Ala Trp Val Gln Val
 50 55 60
 Lys Ser Glu Arg Ser Arg Asn Ser Arg Lys Trp Cys Arg Arg Arg Gly
 65 70 75 80
 Ile Glu Glu His Arg Leu Tyr Glu Met Ala Asn Phe Gly Ala Ser Ser
 85 90 95
 Arg Thr Val

<210> 1334
 <211> 163
 <212> PRT
 <213> Homo sapiens

<400> 1334
 Ala Leu Ala Arg Ala Ser Arg Thr Asp Asp Leu His Pro Leu Ala Leu
 1 5 10 15
 Ala Gly Ala Thr His Arg Pro Cys Pro Glu Asp Gln Glu Pro Lys Ala
 20 25 30
 Gly Arg Ala Trp Ser Ala Thr Ser Phe Cys Leu Pro Val Pro Cys Gly
 35 40 45
 Val Ser Val Leu Leu Ser Leu Ser Leu Phe Leu Ser Leu Cys Gly Tyr
 50 55 60
 Val Ser Cys Tyr Phe Ser Leu Ser Cys Ser Tyr Leu Cys Leu Gly His
 65 70 75 80
 Leu His Pro Val Val Thr Gln Gly Cys His Thr Leu Gly Phe Ser Gly
 85 90 95
 Gly Asp Ser Thr Gly Ala Thr Cys Leu His Pro Arg Leu Ala Val Ser
 100 105 110
 Ala Cys Gln Ser Pro Cys Leu Ser Leu Cys Leu Ser Leu Cys Leu Ser
 115 120 125
 His Trp Gln Gly Cys Gly Val Lys Thr Asp Leu Cys Ile Phe Ile Asn
 130 135 140
 Leu Gly Gly Leu Pro Gly Gly Gly Lys Thr Gly Phe Ser Lys Gly Gln
 145 150 155 160
 Glu Arg Thr

<210> 1335
 <211> 552

<212> PRT
<213> Homo sapiens

<220>

<221> SITE

<222> (142)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1335

Met Leu Ile Leu Gly Ser Met Phe Ser Leu Val Glu Pro Val Leu Thr
1 5 10 15

Ile Ala Ala Ala Leu Ser Val Gln Ser Pro Phe Thr Arg Ser Ala Gln
20 25 30

Ser Ser Pro Glu Cys Ala Ala Ala Arg Arg Pro Leu Glu Ser Asp Gln
35 40 45

Gly Asp Pro Phe Thr Leu Phe Asn Val Phe Asn Ala Trp Val Gln Val
50 55 60

Lys Ser Glu Arg Ser Arg Asn Ser Arg Lys Trp Cys Arg Arg Arg Gly
65 70 75 80

Ile Glu Glu His Arg Leu Tyr Glu Met Ala Asn Leu Arg Arg Gln Phe
85 90 95

Lys Glu Leu Leu Glu Asp His Gly Leu Leu Ala Gly Ala Gln Ala Ala
100 105 110

Gln Val Gly Asp Ser Tyr Ser Arg Leu Gln Gln Arg Arg Glu Arg Arg
115 120 125

Ala Leu His Gln Leu Lys Arg Gln His Glu Glu Gly Ala Xaa Cys Arg
130 135 140

Arg Lys Val Leu Arg Leu Gln Glu Glu Gln Asp Gly Gly Ser Ser Asp
145 150 155 160

Glu Asp Arg Ala Gly Pro Ala Pro Pro Gly Ala Ser Asp Gly Val Asp
165 170 175

Ile Gln Asp Val Lys Phe Lys Leu Arg His Asp Leu Ala Gln Leu Gln
180 185 190

Ala Ala Ala Ser Ser Ala Gln Asp Leu Ser Arg Glu Gln Leu Ala Leu
195 200 205

Leu Lys Leu Val Leu Gly Arg Gly Leu Tyr Pro Gln Leu Ala Val Pro
210 215 220

Asp Ala Phe Asn Ser Ser Arg Lys Asp Ser Asp Gln Ile Phe His Thr
225 230 235 240

Gln Ala Lys Gln Gly Ala Val Leu His Pro Thr Cys Val Phe Ala Gly
245 250 255

Ser Pro Glu Val Leu His Ala Gln Glu Leu Glu Ala Ser Asn Cys Asp
 260 265 270

Gly Ser Arg Asp Asp Lys Asp Lys Met Ser Ser Lys His Gln Leu Leu
 275 280 285

Ser Phe Val Ser Leu Leu Glu Thr Asn Lys Pro Tyr Leu Val Asn Cys
 290 295 300

Val Arg Ile Pro Ala Leu Gln Ser Leu Leu Leu Phe Ser Arg Ser Leu
 305 310 315 320

Asp Thr Asn Gly Asp Cys Ser Arg Leu Val Ala Asp Gly Trp Leu Glu
 325 330 335

Leu Gln Leu Ala Asp Ser Glu Ser Ala Ile Arg Leu Leu Ala Ala Ser
 340 345 350

Leu Arg Leu Arg Ala Arg Trp Glu Ser Ala Leu Asp Arg Gln Leu Ala
 355 360 365

His Gln Ala Gln Gln Gln Leu Glu Glu Glu Glu Glu Asp Thr Pro Val
 370 375 380

Ser Pro Lys Glu Val Ala Thr Leu Ser Lys Glu Leu Leu Gln Phe Thr
 385 390 395 400

Ala Ser Lys Ile Pro Tyr Ser Leu Arg Arg Leu Thr Gly Leu Glu Val
 405 410 415

Gln Asn Met Tyr Val Gly Pro Gln Thr Ile Pro Ala Thr Pro His Leu
 420 425 430

Pro Gly Leu Phe Gly Ser Ser Thr Leu Ser Pro His Pro Thr Lys Gly
 435 440 445

Gly Tyr Ala Val Thr Asp Phe Leu Thr Tyr Asn Cys Leu Thr Asn Asp
 450 455 460

Thr Asp Leu Tyr Ser Asp Cys Leu Arg Thr Phe Trp Thr Cys Pro His
 465 470 475 480

Cys Gly Leu His Ala Pro Leu Thr Pro Leu Glu Arg Ile Ala His Glu
 485 490 495

Asn Thr Cys Pro Gln Ala Pro Gln Asp Gly Pro Pro Gly Ala Glu Glu
 500 505 510

Ala Ala Leu Glu Thr Leu Gln Lys Thr Ser Val Leu Gln Arg Pro Tyr
 515 520 525

His Cys Glu Ala Cys Gly Lys Asp Phe Leu Phe Thr Pro Thr Glu Val
 530 535 540

Leu Arg His Arg Lys Gln His Val
 545 550

<210> 1336
<211> 78
<212> PRT
<213> Homo sapiens

<400> 1336
Met Ser Leu Tyr Gly Thr Arg Trp Arg Ile Ser Trp Pro His Trp Arg
1 5 10 15
Arg Val Val Leu Val Ser Leu Leu Ser Ser Ser Gly Gly Gln Ile Ser
20 25 30
Pro Ser Leu Ser His His Leu Pro Cys Ser Asp Phe Phe Glu Leu Glu
35 40 45
Thr Ser Leu Ala Leu Phe Trp Leu Thr Thr Leu Val Pro Ser Ile Thr
50 55 60
Asn Ile Thr Arg Val Phe Thr Thr Leu Leu Arg Thr Leu Met
65 70 75

<210> 1337
<211> 78
<212> PRT
<213> Homo sapiens

<400> 1337
Met Ser Leu Tyr Gly Thr Arg Trp Arg Ile Ser Trp Pro His Trp Arg
1 5 10 15
Arg Val Val Leu Val Ser Leu Leu Ser Ser Ser Gly Gly Gln Ile Ser
20 25 30
Pro Ser Leu Ser His His Leu Pro Cys Ser Asp Phe Phe Glu Leu Glu
35 40 45
Thr Ser Leu Ala Leu Phe Trp Leu Thr Thr Leu Val Pro Ser Ile Thr
50 55 60
Asn Ile Thr Arg Val Phe Thr Thr Leu Leu Arg Thr Leu Met
65 70 75

<210> 1338
<211> 159
<212> PRT
<213> Homo sapiens

<400> 1338
Met Gly Cys Leu Trp Gly Leu Ala Leu Pro Leu Phe Phe Phe Cys Trp
1 5 10 15

Glu Val Gly Val Ser Gly Ser Ser Ala Gly Pro Ser Thr Arg Arg Ala
 20 25 30
 Asp Thr Ala Met Thr Thr Asp Asp Thr Glu Val Pro Ala Met Thr Leu
 35 40 45
 Ala Pro Gly His Ala Ala Leu Glu Thr Gln Thr Leu Ser Ala Glu Thr
 50 55 60
 Ser Ser Arg Ala Ser Thr Pro Ala Gly Pro Ile Pro Glu Ala Glu Thr
 65 70 75 80
 Arg Gly Ala Lys Arg Ile Ser Pro Ala Arg Glu Thr Arg Ser Phe Thr
 85 90 95
 Lys Thr Ser Pro Asn Phe Met Val Leu Ile Ala Thr Ser Val Glu Thr
 100 105 110
 Ser Ala Ala Ser Gly Ser Pro Glu Gly Ala Arg Met Thr Thr Val Gln
 115 120 125
 Thr Ile Thr Gly Ser Asp Pro Arg Lys Pro Ser Leu Thr Pro Phe Ala
 130 135 140
 Pro Met Thr Ala Leu Lys Arg Gln Arg His Ser Gln Trp Thr Tyr
 145 150 155

<210> 1339
 <211> 149
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (114)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (123)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (144)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1339
 Met Gly Cys Leu Trp Gly Leu Ala Leu Pro Leu Phe Phe Phe Cys Trp
 1 5 10 15

Glu Val Gly Val Ser Gly Ser Ser Ala Gly Pro Ser Thr Arg Arg Ala
 20 25 30
 Asp Thr Ala Met Thr Thr Asp Asp Thr Glu Val Pro Ala Met Thr Leu

35 40 45
 Ala Pro Gly His Ala Ala Leu Glu Thr Gln Thr Leu Ser Ala Glu Thr
 50 55 60
 Ser Ser Arg Ala Ser Thr Pro Ala Gly Pro Ile Pro Glu Ala Glu Thr
 65 70 75 80
 Arg Gly Ala Lys Arg Ile Ser Pro Ala Arg Glu Thr Arg Ser Phe Thr
 85 90 95
 Lys Thr Ser Pro Asn Phe Met Val Leu Ile Ala Thr Ser Val Glu Thr
 100 105 110
 Ser Xaa Ala Ser Gly Ser Pro Glu Gly Ala Xaa Met Thr Thr Val Gln
 115 120 125
 Thr Ile Thr Gly Ser Asp Pro Arg Glu Ala Ile Phe Asp Thr Leu Xaa
 130 135 140
 Thr Asp Asp Ser Ser
 145

<210> 1340
 <211> 595
 <212> PRT
 <213> Homo sapiens

<400> 1340
 Met Gly Cys Leu Trp Gly Leu Ala Leu Pro Leu Phe Phe Phe Cys Trp
 1 5 10 15
 Glu Val Gly Val Ser Gly Ser Ser Ala Gly Pro Ser Thr Arg Arg Ala
 20 25 30
 Asp Thr Ala Met Thr Thr Asp Asp Thr Glu Val Pro Ala Met Thr Leu
 35 40 45
 Ala Pro Gly His Ala Ala Leu Glu Thr Gln Thr Leu Ser Ala Glu Thr
 50 55 60
 Ser Ser Arg Ala Ser Thr Pro Ala Gly Pro Ile Pro Glu Ala Glu Thr
 65 70 75 80
 Arg Gly Ala Lys Arg Ile Ser Pro Ala Arg Glu Thr Arg Ser Phe Thr
 85 90 95
 Lys Thr Ser Pro Asn Phe Met Val Leu Ile Ala Thr Ser Val Glu Thr
 100 105 110
 Ser Ala Ala Ser Gly Ser Pro Glu Gly Ala Arg Met Thr Thr Val Gln
 115 120 125
 Thr Ile Thr Gly Ser Asp Pro Arg Glu Ala Ile Phe Asp Thr Leu Cys
 130 135 140

Thr	Asp	Asp	Ser	Ser	Glu	Glu	Ala	Lys	Thr	Leu	Thr	Met	Asp	Ile	Leu	145	150	155	160
Thr	Leu	Ala	His	Thr	Ser	Thr	Glu	Ala	Lys	Gly	Leu	Ser	Ser	Glu	Ser	165	170	175	
Ser	Ala	Ser	Ser	Asp	Gly	Pro	His	Pro	Val	Ile	Thr	Pro	Ser	Arg	Ala	180	185	190	
Ser	Glu	Ser	Ser	Ala	Ser	Ser	Asp	Gly	Pro	His	Pro	Val	Ile	Thr	Pro	195	200	205	
Ser	Arg	Ala	Ser	Glu	Ser	Ser	Ala	Ser	Ser	Asp	Gly	Pro	His	Pro	Val	210	215	220	
Ile	Thr	Pro	Ser	Arg	Ala	Ser	Glu	Ser	Ser	Ala	Ser	Ser	Asp	Gly	Pro	225	230	235	240
His	Pro	Val	Ile	Thr	Pro	Ser	Arg	Ala	Ser	Glu	Ser	Ser	Ala	Ser	Ser	245	250	255	
Asp	Gly	Pro	His	Pro	Val	Ile	Thr	Pro	Ser	Arg	Ala	Ser	Glu	Ser	Ser	260	265	270	
Ala	Ser	Ser	Asp	Gly	Pro	His	Pro	Val	Ile	Thr	Pro	Ser	Trp	Ser	Pro	275	280	285	
Gly	Ser	Asp	Val	Thr	Leu	Leu	Ala	Glu	Ala	Leu	Val	Ser	Val	Thr	Asn	290	295	300	
Ile	Glu	Val	Ile	Asn	Cys	Ser	Ile	Thr	Glu	Ile	Glu	Thr	Thr	Thr	Ser	305	310	315	320
Ser	Ile	Pro	Gly	Ala	Ser	Asp	Thr	Asp	Leu	Ile	Pro	Thr	Glu	Gly	Val	325	330	335	
Lys	Ala	Ser	Ser	Thr	Ser	Asp	Pro	Pro	Ala	Leu	Pro	Asp	Ser	Thr	Glu	340	345	350	
Ala	Lys	Pro	His	Ile	Thr	Glu	Val	Thr	Ala	Ser	Ala	Glu	Thr	Leu	Ser	355	360	365	
Thr	Ala	Gly	Thr	Thr	Glu	Ser	Ala	Ala	Pro	Asp	Ala	Thr	Val	Gly	Thr	370	375	380	
Pro	Leu	Pro	Thr	Asn	Ser	Ala	Thr	Glu	Arg	Glu	Val	Thr	Ala	Pro	Gly	385	390	395	400
Ala	Thr	Thr	Leu	Ser	Gly	Ala	Leu	Val	Thr	Val	Ser	Arg	Asn	Pro	Leu	405	410	415	
Glu	Glu	Thr	Ser	Ala	Leu	Ser	Val	Glu	Thr	Pro	Ser	Tyr	Val	Lys	Val	420	425	430	
Ser	Gly	Ala	Ala	Pro	Val	Ser	Ile	Glu	Ala	Gly	Ser	Ala	Val	Gly	Lys	435	440	445	

Thr Thr Ser Phe Ala Gly Ser Ser Ala Ser Ser Tyr Ser Pro Ser Glu
 450 455 460
 Ala Ala Leu Lys Asn Phe Thr Pro Ser Glu Thr Pro Thr Met Asp Ile
 465 470 475 480
 Ala Thr Lys Gly Pro Phe Pro Thr Ser Arg Asp Pro Leu Pro Ser Val
 485 490 495
 Pro Pro Thr Thr Thr Asn Ser Ser Arg Gly Thr Asn Ser Thr Leu Ala
 500 505 510
 Lys Ile Thr Thr Ser Ala Lys Thr Thr Met Lys Pro Pro Thr Ala Thr
 515 520 525
 Pro Thr Thr Ala Arg Thr Arg Pro Thr Thr Asp Val Ser Ala Gly Glu
 530 535 540
 Asn Gly Gly Phe Leu Leu Leu Arg Leu Ser Val Ala Ser Pro Glu Asp
 545 550 555 560
 Leu Thr Asp Pro Arg Val Ala Glu Arg Leu Met Gln Gln Leu His Arg
 565 570 575
 Glu Leu His Ala His Ala Pro His Phe Gln Val Ser Leu Leu Arg Val
 580 585 590
 Arg Arg Gly
 595

<210> 1341
 <211> 114
 <212> PRT
 <213> Homo sapiens

<400> 1341
 Met Trp Asn Pro Trp Ile Ala Met Cys Leu Leu Gly Leu Ser Tyr Ser
 1 5 10 15
 Leu Leu Ala Cys Ala Leu Trp Pro Met Val Ala Phe Val Val Pro Glu
 20 25 30
 His Gln Leu Gly Thr Ala Tyr Gly Phe Met Gln Ser Ile Gln Asn Leu
 35 40 45
 Gly Leu Ala Ile Ile Ser Ile Ile Ala Gly Met Ile Leu Asp Ser Arg
 50 55 60
 Gly Tyr Leu Phe Leu Glu Val Phe Phe Ile Ala Cys Val Ser Leu Ser
 65 70 75 80
 Leu Leu Ser Val Val Leu Leu Tyr Leu Val Asn Arg Ala Gln Gly Gly
 85 90 95

Asn Leu Asn Tyr Ser Ala Arg Gln Arg Glu Glu Ile Lys Phe Ser His
100 105 110

Thr Glu

<210> 1342
<211> 114
<212> PRT
<213> Homo sapiens

<400> 1342
Met Trp Asn Pro Trp Ile Ala Met Cys Leu Leu Gly Leu Ser Tyr Ser
1 5 10 15
Leu Leu Ala Cys Ala Leu Trp Pro Met Val Ala Phe Val Val Pro Glu
20 25 30
His Gln Leu Gly Thr Ala Tyr Gly Phe Met Gln Ser Ile Gln Asn Leu
35 40 45
Gly Leu Ala Ile Ile Ser Ile Ile Ala Gly Met Ile Leu Asp Ser Arg
50 55 60
Gly Tyr Leu Phe Leu Glu Val Phe Phe Ile Ala Cys Val Ser Leu Ser
65 70 75 80
Leu Leu Ser Val Val Leu Leu Tyr Leu Val Asn Arg Ala Gln Gly Gly
85 90 95
Asn Leu Asn Tyr Ser Ala Arg Gln Arg Glu Glu Ile Lys Phe Ser His
100 105 110

Thr Glu

<210> 1343
<211> 114
<212> PRT
<213> Homo sapiens

<400> 1343
Met Trp Asn Pro Trp Ile Ala Met Cys Leu Leu Gly Leu Ser Tyr Ser
1 5 10 15
Leu Leu Ala Cys Ala Leu Trp Pro Met Val Ala Phe Val Val Pro Glu
20 25 30
His Gln Leu Gly Thr Ala Tyr Gly Phe Met Gln Ser Ile Gln Asn Leu
35 40 45
Gly Leu Ala Ile Ile Ser Ile Ile Ala Gly Met Ile Leu Asp Ser Arg
50 55 60

Gly Tyr Leu Phe Leu Glu Val Phe Phe Ile Ala Cys Val Ser Leu Ser
 65 70 75 80
 Leu Leu Ser Val Val Leu Leu Tyr Leu Val Asn Arg Ala Gln Gly Gly
 85 90 95
 Asn Leu Asn Tyr Ser Ala Arg Gln Arg Glu Glu Ile Lys Phe Ser His
 100 105 110
 Thr Glu

<210> 1344
 <211> 465
 <212> PRT
 <213> Homo sapiens

<400> 1344
 Met Glu Glu Glu Asp Glu Glu Ala Arg Ala Leu Leu Ala Gly Gly Pro
 1 5 10 15
 Asp Glu Ala Asp Arg Gly Ala Pro Ala Ala Pro Gly Ala Leu Pro Ala
 20 25 30
 Leu Cys Asp Pro Ser Arg Leu Ala His Arg Leu Leu Val Leu Leu Leu
 35 40 45
 Met Cys Phe Leu Gly Phe Gly Ser Tyr Phe Cys Tyr Asp Asn Pro Ala
 50 55 60
 Ala Leu Gln Thr Gln Val Lys Arg Asp Met Gln Val Asn Thr Thr Lys
 65 70 75 80
 Phe Met Leu Leu Tyr Ala Trp Tyr Ser Trp Pro Asn Val Val Leu Cys
 85 90 95
 Phe Phe Gly Gly Phe Leu Ile Asp Arg Val Phe Gly Ile Arg Trp Gly
 100 105 110
 Thr Ile Ile Phe Ser Cys Phe Val Cys Ile Gly Gln Val Val Phe Ala
 115 120 125
 Leu Gly Gly Ile Phe Asn Ala Phe Trp Leu Met Glu Phe Gly Arg Phe
 130 135 140
 Val Phe Gly Ile Gly Gly Glu Ser Leu Ala Val Ala Gln Asn Thr Tyr
 145 150 155 160
 Ala Val Ser Trp Phe Lys Gly Lys Glu Leu Asn Leu Val Phe Gly Leu
 165 170 175
 Gln Leu Ser Met Ala Arg Ile Gly Ser Thr Val Asn Met Asn Leu Met
 180 185 190

Gly Trp Leu Tyr Ser Lys Ile Glu Ala Leu Leu Gly Ser Ala Gly His
 195 200 205
 Thr Thr Leu Gly Ile Thr Leu Met Ile Gly Gly Ile Thr Cys Ile Leu
 210 215 220
 Ser Leu Ile Cys Ala Leu Ala Leu Ala Tyr Leu Asp Gln Arg Ala Glu
 225 230 235 240
 Arg Ile Leu His Lys Glu Gln Gly Lys Thr Gly Glu Val Ile Lys Leu
 245 250 255
 Thr Asp Val Lys Asp Phe Ser Leu Pro Leu Trp Leu Ile Phe Ile Ile
 260 265 270
 Cys Val Cys Tyr Tyr Val Ala Val Phe Pro Phe Ile Gly Leu Gly Lys
 275 280 285
 Val Phe Phe Thr Glu Lys Phe Gly Phe Ser Ser Gln Ala Ala Ser Ala
 290 295 300
 Ile Asn Ser Val Val Tyr Val Ile Ser Ala Pro Met Ser Pro Val Phe
 305 310 315 320
 Gly Leu Leu Val Asp Lys Thr Gly Lys Asn Ile Ile Trp Val Leu Cys
 325 330 335
 Ala Val Ala Ala Thr Leu Val Ser His Met Met Leu Ala Phe Thr Met
 340 345 350
 Trp Asn Pro Trp Ile Ala Met Cys Leu Leu Gly Leu Ser Tyr Ser Leu
 355 360 365
 Leu Ala Cys Ala Leu Trp Pro Met Val Ala Phe Val Val Pro Glu His
 370 375 380
 Gln Leu Gly Thr Ala Tyr Gly Phe Met Gln Ser Ile Gln Asn Leu Gly
 385 390 395 400
 Leu Ala Ile Ile Ser Ile Ile Ala Gly Met Ile Leu Asp Ser Arg Gly
 405 410 415
 Tyr Leu Phe Leu Glu Val Phe Phe Ile Ala Cys Val Ser Leu Ser Leu
 420 425 430
 Leu Ser Val Val Leu Leu Tyr Leu Val Asn Arg Ala Gln Gly Gly Asn
 435 440 445
 Leu Asn Tyr Ser Ala Arg Gln Arg Glu Glu Ile Lys Phe Ser His Thr
 450 455 460
 Glu
 465

<211> 83
<212> PRT
<213> Homo sapiens

<400> 1345
Met Gly Leu Lys Ala Leu Pro Glu Pro Phe Met Ser Leu Val Ser His
1 5 10 15
Leu Leu Arg Thr Phe Phe Leu Val Trp Phe Val Gly Leu Pro Val Ala
20 25 30
Ile Leu Gly Asn Leu Leu Glu Cys Tyr Ala Asn Val Phe Thr Gly Asn
35 40 45
Gly Gly Gly Pro Glu Pro Trp Gly Gly His Leu Val Ser Glu Cys Leu
50 55 60
Ala Leu Pro Gln Leu Gly Ile Gln Tyr Leu Ala Leu Ser Gly Gly Ile
65 70 75 80
Ile Trp Leu

<210> 1346
<211> 73
<212> PRT
<213> Homo sapiens

<400> 1346
Met Ser Leu Val Ser His Leu Leu Arg Thr Phe Phe Leu Val Trp Phe
1 5 10 15
Val Gly Leu Pro Val Ala Ile Leu Gly Asn Leu Leu Glu Cys Tyr Ala
20 25 30
Asn Val Phe Thr Gly Asn Gly Gly Gly Pro Glu Pro Trp Gly Gly His
35 40 45
Leu Val Ser Glu Cys Leu Ala Leu Pro Gln Leu Gly Ile Gln Tyr Leu
50 55 60
Ala Leu Ser Gly Gly Ile Ile Trp Leu
65 70

<210> 1347
<211> 83
<212> PRT
<213> Homo sapiens

<400> 1347
Met Gly Leu Lys Ala Leu Pro Glu Pro Phe Met Ser Leu Val Ser His
1 5 10 15

Leu Leu Arg Thr Phe Phe Leu Val Trp Phe Val Gly Leu Pro Val Ala
 20 25 30
 Ile Leu Gly Asn Leu Leu Glu Cys Tyr Ala Asn Val Phe Thr Gly Asn
 35 40 45
 Gly Gly Gly Pro Glu Pro Trp Gly Gly His Leu Val Ser Glu Cys Leu
 50 55 60
 Ala Leu Pro Gln Leu Gly Ile Gln Tyr Leu Ala Leu Ser Gly Gly Ile
 65 70 75 80
 Ile Trp Leu

<210> 1348
 <211> 111
 <212> PRT
 <213> Homo sapiens

<400> 1348
 Met Phe Leu Ala Arg Val Pro Phe Leu Phe Thr Ile Val Pro Phe Ser
 1 5 10 15
 Val Leu Arg Ser Met Leu Ser Lys Val Val Arg Ser Thr Glu Gln Gly
 20 25 30
 Thr Leu Phe Ala Cys Ile Ala Phe Leu Glu Thr Leu Gly Gly Val Thr
 35 40 45
 Ala Val Ser Thr Phe Asn Gly Ile Tyr Ser Ala Thr Val Ala Trp Tyr
 50 55 60
 Pro Gly Phe Thr Phe Leu Leu Ser Ala Gly Leu Leu Leu Leu Pro Ala
 65 70 75 80
 Ile Ser Leu Cys Val Val Lys Cys Thr Ser Trp Asn Glu Gly Ser Tyr
 85 90 95
 Glu Leu Leu Ile Gln Glu Glu Ser Ser Glu Asp Ala Ser Asp Arg
 100 105 110

<210> 1349
 <211> 111
 <212> PRT
 <213> Homo sapiens

<400> 1349
 Met Phe Leu Ala Arg Val Pro Phe Leu Phe Thr Ile Val Pro Phe Ser
 1 5 10 15
 Val Leu Arg Ser Met Leu Ser Lys Val Val Arg Ser Thr Glu Gln Gly
 20 25 30

Ser Ala Thr Val Ala Trp Tyr Pro Gly Phe Thr Phe Leu Leu Ser Ala
 180 185 190
 Gly Leu Leu Leu Leu Pro Ala Ile Ser Leu Cys Val Val Lys Cys Thr
 195 200 205
 Ser Trp Asn Glu Gly Ser Tyr Glu Leu Leu Ile Gln Glu Glu Ser Ser
 210 215 220
 Glu Asp Ala Ser Asp Arg
 225 230

<210> 1351
 <211> 137
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (111)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (116)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (123)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1351
 Met Tyr Leu Gln Val Glu Thr Arg Thr Ser Ser Arg Leu His Leu Lys
 1 5 10 15
 Arg Ala Pro Gly Ile Arg Ser Trp Ser Leu Leu Val Gly Ile Leu Ser
 20 25 30
 Ile Gly Leu Ala Ala Ala Tyr Tyr Ser Gly Asp Ser Leu Gly Trp Lys
 35 40 45
 Leu Phe Tyr Val Thr Gly Cys Leu Phe Val Ala Val Gln Asn Leu Glu
 50 55 60
 Asp Trp Glu Glu Ala Ile Phe Asp Lys Ser Thr Gly Lys Val Val Leu
 65 70 75 80
 Lys Thr Phe Ser Leu Tyr Lys Lys Leu Leu Thr Leu Phe Arg Ala Gly
 85 90 95
 His Asp Gln Val Val Val Leu Leu His Asp Val Arg Asp Val Xaa Val
 100 105 110
 Glu Glu Glu Xaa Val Arg Tyr Phe Gly Lys Xaa Tyr Met Val Val Leu

115	120	125
Arg Leu Ala Thr Gly Phe Phe His Pro		
130	135	

<210> 1352
 <211> 124
 <212> PRT
 <213> Homo sapiens

<400> 1352
 Met Tyr Leu Gln Val Glu Thr Arg Thr Ser Ser Arg Leu His Leu Lys
 1 5 10 15
 Arg Ala Pro Gly Ile Arg Ser Trp Ser Leu Leu Val Gly Ile Leu Ser
 20 25 30
 Ile Gly Leu Ala Ala Ala Tyr Tyr Ser Gly Asp Ser Leu Gly Trp Lys
 35 40 45
 Leu Phe Tyr Val Thr Gly Cys Leu Phe Val Ala Val Gln Asn Leu Glu
 50 55 60
 Asp Trp Glu Glu Ala Ile Phe Asp Lys Ser Thr Gly Lys Val Val Leu
 65 70 75 80
 Lys Thr Phe Ser Leu Tyr Lys Lys Leu Leu Thr Leu Phe Arg Ala Gly
 85 90 95
 His Asp Gln Val Val Val Leu Leu His Asp Val Arg Ser Gly Cys Gln
 100 105 110
 Ser Leu Val Ala Gly Gln Gly His His Asn His Lys
 115 120

<210> 1353
 <211> 145
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (123)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (135)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (137)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1353

Met	Tyr	Leu	Gln	Val	Glu	Thr	Arg	Thr	Ser	Ser	Arg	Leu	His	Leu	Lys
1				5					10					15	
Arg	Ala	Pro	Gly	Ile	Arg	Ser	Trp	Ser	Leu	Leu	Val	Gly	Ile	Leu	Ser
			20					25					30		
Ile	Gly	Leu	Ala	Ala	Ala	Tyr	Tyr	Ser	Gly	Asp	Ser	Leu	Gly	Trp	Lys
		35					40					45			
Leu	Phe	Tyr	Val	Thr	Gly	Cys	Leu	Phe	Val	Ala	Val	Gln	Asn	Leu	Glu
	50					55					60				
Asp	Trp	Glu	Glu	Ala	Ile	Phe	Asp	Lys	Ser	Thr	Gly	Lys	Val	Val	Leu
65					70					75					80
Lys	Thr	Phe	Ser	Leu	Tyr	Lys	Lys	Leu	Leu	Thr	Leu	Phe	Arg	Ala	Gly
				85					90					95	
His	Asp	Gln	Val	Val	Val	Leu	Leu	His	Asp	Val	Arg	Asp	Val	Ser	Val
			100					105					110		
Glu	Glu	Glu	Lys	Val	Arg	Tyr	Phe	Gly	Lys	Xaa	Tyr	Met	Val	Val	Leu
		115						120				125			
Arg	Leu	Ala	Thr	Gly	Phe	Xaa	His	Xaa	Leu	Thr	Gln	Ser	Ala	Asp	Met
	130					135					140				
Gly															
145															

<210> 1354

<211> 89

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (24)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (75)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1354

Met	Phe	Lys	Asp	Tyr	Pro	Pro	Ala	Ile	Lys	Pro	Ser	Tyr	Asp	Val	Leu
1				5					10					15	
Leu	Leu	Leu	Leu	Leu	Val	Xaa	Leu	Leu	Gln	Ala	Gly	Leu	Asn	Thr	
			20				25					30			

Arg	Tyr	Ala	Glu	Thr	Leu	Phe	Asp	Ile	Leu	Val	Ala	Gly	Gly	Met	Leu	65	70	75	80
Ala	Pro	Gly	Gly	Thr	Leu	Ala	Asp	Asp	Met	Met	Arg	Thr	Asp	Val	Cys	85	90	95	
Val	Phe	Ala	Ala	Gln	Glu	Asp	Leu	Glu	Thr	Met	Gln	Ala	Phe	Ala	Gln	100	105	110	
Val	Phe	Asn	Lys	Leu	Ile	Arg	Arg	Tyr	Lys	Tyr	Leu	Glu	Lys	Gly	Phe	115	120	125	
Glu	Asp	Glu	Val	Lys	Lys	Leu	Leu	Leu	Phe	Leu	Lys	Gly	Phe	Ser	Glu	130	135	140	
Ser	Glu	Arg	Asn	Lys	Leu	Ala	Met	Leu	Thr	Gly	Val	Leu	Leu	Ala	Asn	145	150	155	160
Gly	Thr	Leu	Asn	Ala	Ser	Ile	Leu	Asn	Ser	Leu	Tyr	Asn	Glu	Asn	Leu	165	170	175	
Val	Lys	Glu	Gly	Val	Ser	Ala	Ala	Phe	Ala	Val	Lys	Leu	Phe	Lys	Ser	180	185	190	
Trp	Ile	Asn	Glu	Lys	Asp	Ile	Asn	Ala	Val	Ala	Ala	Ser	Leu	Arg	Lys	195	200	205	
Val	Ser	Met	Asp	Asn	Arg	Leu	Met	Glu	Leu	Phe	Pro	Ala	Asn	Lys	Gln	210	215	220	
Ser	Val	Glu	His	Phe	Thr	Lys	Tyr	Phe	Thr	Glu	Ala	Gly	Leu	Lys	Glu	225	230	235	240
Leu	Ser	Glu	Tyr	Val	Arg	Asn	Gln	Gln	Thr	Ile	Gly	Ala	Arg	Lys	Glu	245	250	255	
Leu	Gln	Lys	Glu	Leu	Gln	Glu	Gln	Met	Ser	Arg	Gly	Asp	Pro	Phe	Lys	260	265	270	
Asp	Ile	Ile	Leu	Tyr	Val	Lys	Glu	Glu	Met	Lys	Lys	Asn	Asn	Ile	Pro	275	280	285	
Glu	Pro	Val	Val	Ile	Gly	Ile	Val	Trp	Ser	Ser	Val	Met	Ser	Thr	Val	290	295	300	
Glu	Trp	Asn	Lys	Lys	Glu	Glu	Leu	Val	Ala	Glu	Gln	Ala	Ile	Lys	His	305	310	315	320
Leu	Lys	Gln	Tyr	Ser	Pro	Leu	Leu	Ala	Ala	Phe	Thr	Thr	Gln	Gly	Gln	325	330	335	
Ser	Glu	Leu	Thr	Leu	Leu	Leu	Lys	Ile	Gln	Glu	Tyr	Cys	Tyr	Asp	Asn	340	345	350	
Ile	His	Phe	Met	Lys	Ala	Phe	Gln	Lys	Ile	Val	Val	Leu	Phe	Tyr	Lys	355	360	365	

Ala Glu Val Leu Ser Glu Glu Pro Ile Leu Lys Trp Tyr Lys Asp Ala
370 375 380

His Val Ala Lys Gly Lys Ser Val Phe Leu Glu Gln Met Lys Lys Phe
385 390 395 400

Val Glu Trp Leu Lys Asn Ala Glu Glu Glu Ser Glu Ser Glu Ala Glu
405 410 415

Glu Gly Asp

<210> 1357
<211> 19
<212> PRT
<213> Homo sapiens

<400> 1357
Thr Ile Ala Cys Met Leu Thr Phe Cys Phe Val Leu Phe Cys Phe Val
1 5 10 15

Leu His Phe

<210> 1358
<211> 857
<212> PRT
<213> Homo sapiens

<400> 1358
Met Ser Tyr Tyr Met Ala Asp Arg Lys His Arg Lys Ala Phe Leu Glu
1 5 10 15

Ala Arg Gln Ser Leu Glu Val Lys Met Asn Leu Glu Glu Gln Ser Gln
20 25 30

Gln Gln Glu Asn Leu Met Leu Ser Ile Leu Pro Lys His Val Ala Asp
35 40 45

Glu Met Leu Lys Asp Met Lys Lys Asp Glu Ser Gln Lys Asp Gln Gln
50 55 60

Gln Phe Asn Thr Met Tyr Met Tyr Arg His Glu Asn Val Ser Ile Leu
65 70 75 80

Phe Ala Asp Ile Val Gly Phe Thr Gln Leu Ser Ser Ala Cys Ser Ala
85 90 95

Gln Glu Leu Val Lys Leu Leu Asn Glu Leu Phe Ala Arg Phe Asp Lys
100 105 110

Leu Ala Ala Lys Tyr His Gln Leu Arg Ile Lys Ile Leu Gly Asp Cys

115	120	125
Tyr Tyr Cys Ile Cys Gly Leu Pro Asp Tyr Arg Glu Asp His Ala Val		
130	135	140
Cys Ser Ile Leu Met Gly Leu Ala Met Val Glu Ala Ile Ser Tyr Val		
145	150	155
Arg Glu Lys Thr Lys Thr Gly Val Asp Met Arg Val Gly Val His Thr		
	165	170
Gly Thr Val Leu Gly Gly Val Leu Gly Gln Lys Arg Trp Gln Tyr Asp		
	180	185
Val Trp Ser Thr Asp Val Thr Val Ala Asn Lys Met Glu Ala Gly Gly		
	195	200
Ile Pro Gly Arg Val His Ile Ser Gln Ser Thr Met Asp Cys Leu Lys		
	210	215
Gly Glu Phe Asp Val Glu Pro Gly Asp Gly Gly Ser Arg Cys Asp Tyr		
225	230	235
Leu Glu Glu Lys Gly Ile Glu Thr Tyr Leu Ile Ile Ala Ser Lys Pro		
	245	250
Glu Val Lys Lys Thr Ala Thr Gln Asn Gly Leu Asn Gly Ser Ala Leu		
	260	265
Pro Asn Gly Ala Pro Ala Ser Ser Lys Ser Ser Ser Pro Ala Leu Ile		
	275	280
Glu Thr Lys Glu Pro Asn Gly Ser Ala His Ser Ser Gly Ser Thr Ser		
	290	295
Glu Lys Pro Glu Glu Gln Asp Ala Gln Ala Asp Asn Pro Ser Phe Pro		
305	310	315
Asn Pro Arg Arg Arg Leu Arg Leu Gln Asp Leu Ala Asp Arg Val Val		
	325	330
Asp Ala Ser Glu Asp Glu His Glu Leu Asn Gln Leu Leu Asn Glu Ala		
	340	345
Leu Leu Glu Arg Glu Ser Ala Gln Val Val Lys Lys Arg Asn Thr Phe		
	355	360
Leu Leu Ser Met Arg Phe Met Asp Pro Glu Met Glu Thr Arg Tyr Ser		
	370	375
Val Glu Lys Glu Lys Gln Ser Gly Ala Ala Phe Ser Cys Ser Cys Val		
385	390	395
Val Leu Leu Cys Thr Ala Leu Val Glu Ile Leu Ile Asp Pro Trp Leu		
	405	410
Met Thr Asn Tyr Val Thr Phe Met Val Gly Glu Ile Leu Leu Leu Ile		

420					425					430					
Leu	Thr	Ile	Cys	Ser	Leu	Ala	Ala	Ile	Phe	Pro	Arg	Ala	Phe	Pro	Lys
		435					440					445			
Lys	Leu	Val	Ala	Phe	Ser	Thr	Trp	Ile	Asp	Arg	Thr	Arg	Trp	Ala	Arg
	450					455					460				
Asn	Thr	Trp	Ala	Met	Leu	Ala	Ile	Phe	Ile	Leu	Val	Met	Ala	Asn	Val
465					470					475					480
Val	Asp	Met	Val	Ser	His	Met	Val	Lys	Leu	Thr	Leu	Met	Leu	Leu	Val
				485					490					495	
Ala	Gly	Ala	Val	Ala	Thr	Ile	Asn	Leu	Tyr	Ala	Trp	Arg	Pro	Val	Phe
			500					505					510		
Asp	Glu	Tyr	Asp	His	Lys	Arg	Phe	Arg	Glu	His	Asp	Leu	Pro	Met	Val
		515					520					525			
Ala	Leu	Glu	Gln	Met	Gln	Gly	Phe	Asn	Pro	Gly	Leu	Asn	Gly	Thr	Asp
	530					535					540				
Arg	Leu	Pro	Leu	Val	Pro	Ser	Lys	Tyr	Ser	Met	Thr	Val	Met	Val	Phe
545					550					555					560
Leu	Met	Met	Leu	Ser	Phe	Tyr	Tyr	Phe	Ser	Arg	His	Val	Glu	Lys	Leu
				565					570					575	
Ala	Arg	Thr	Leu	Phe	Leu	Trp	Lys	Ile	Glu	Val	His	Asp	Gln	Lys	Glu
			580					585					590		
Arg	Val	Tyr	Glu	Met	Arg	Arg	Trp	Asn	Glu	Ala	Leu	Val	Thr	Asn	Met
		595					600					605			
Leu	Pro	Glu	His	Val	Ala	Arg	His	Phe	Leu	Gly	Ser	Lys	Lys	Arg	Asp
	610					615					620				
Glu	Glu	Leu	Tyr	Ser	Gln	Thr	Tyr	Asp	Glu	Ile	Gly	Val	Met	Phe	Ala
625					630					635					640
Ser	Leu	Pro	Asn	Phe	Ala	Asp	Phe	Tyr	Thr	Glu	Glu	Ser	Ile	Asn	Asn
			645						650				655		
Gly	Gly	Ile	Glu	Cys	Leu	Arg	Phe	Leu	Asn	Glu	Ile	Ile	Ser	Asp	Phe
			660					665					670		
Asp	Ser	Leu	Leu	Asp	Asn	Pro	Lys	Phe	Arg	Val	Ile	Thr	Lys	Ile	Lys
		675				680						685			
Thr	Ile	Gly	Ser	Thr	Tyr	Met	Ala	Ala	Ser	Gly	Val	Thr	Pro	Asp	Val
	690					695					700				
Asn	Thr	Asn	Gly	Phe	Ala	Ser	Ser	Asn	Lys	Glu	Asp	Lys	Ser	Glu	Arg
705					710					715					720
Glu	Arg	Trp	Gln	His	Leu	Ala	Asp	Leu	Ala	Asp	Phe	Ala	Leu	Ala	Met

Ile	Gln	Asp	Ser	Thr	Gln	Arg	Thr	Ala	Asp	Ile	Pro	Ala	Leu	Phe	Leu
130						135					140				
Leu	Gly	Arg	Asp	Gly	Tyr	Met	Ile	Arg	Arg	Ser	Leu	Glu	Gln	His	Gly
145					150					155					160
Leu	Pro	Trp	Ala	Ile	Ile	Ser	Ile	Pro	Val	Asn	Val	Thr	Ser	Ile	Pro
				165					170					175	
Thr	Phe	Glu	Leu	Leu	Gln	Pro	Pro	Trp	Thr	Phe	Trp				
			180					185							

<210> 1360
 <211> 188
 <212> PRT
 <213> Homo sapiens

<400> 1360															
Met	Val	Pro	Gly	Ala	Ala	Gly	Trp	Cys	Cys	Leu	Val	Leu	Trp	Leu	Pro
1				5					10					15	
Ala	Cys	Val	Ala	Ala	His	Gly	Phe	Arg	Ile	His	Asp	Tyr	Leu	Tyr	Phe
			20					25					30		
Gln	Val	Leu	Ser	Pro	Gly	Asp	Ile	Arg	Tyr	Ile	Phe	Thr	Ala	Thr	Pro
		35					40					45			
Ala	Lys	Asp	Phe	Gly	Gly	Ile	Phe	His	Thr	Arg	Tyr	Glu	Gln	Ile	His
	50					55					60				
Leu	Val	Pro	Ala	Glu	Pro	Pro	Glu	Ala	Cys	Gly	Glu	Leu	Ser	Asn	Gly
65					70					75				80	
Phe	Phe	Ile	Gln	Asp	Gln	Ile	Ala	Leu	Val	Glu	Arg	Gly	Gly	Cys	Ser
				85					90					95	
Phe	Leu	Ser	Lys	Thr	Arg	Val	Val	Gln	Glu	His	Gly	Gly	Arg	Ala	Val
			100					105					110		
Ile	Ile	Ser	Asp	Asn	Ala	Val	Asp	Asn	Asp	Ser	Phe	Tyr	Val	Glu	Met
		115					120					125			
Ile	Gln	Asp	Ser	Thr	Gln	Arg	Thr	Ala	Asp	Ile	Pro	Ala	Leu	Phe	Leu
	130					135					140				
Leu	Gly	Arg	Asp	Gly	Tyr	Met	Ile	Arg	Arg	Ser	Leu	Glu	Gln	His	Gly
145					150					155					160
Leu	Pro	Trp	Ala	Ile	Ile	Ser	Ile	Pro	Val	Asn	Val	Thr	Ser	Ile	Pro
				165					170					175	
Thr	Phe	Glu	Leu	Leu	Gln	Pro	Pro	Trp	Thr	Phe	Trp				
			180					185							

<210> 1361
<211> 116
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (90)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1361
Met Arg Lys Ile His Thr Pro Leu Phe Asn Leu Leu Gln Val Arg Leu
1 5 10 15
Gly Phe Val Tyr Phe Pro Cys Phe Thr Phe Pro Xaa Val Gln Ala Val
20 25 30
Val Glu Thr Gly Thr Gln Gly Leu Cys Val Ala Pro Cys Ser Ser Cys
35 40 45
Leu Gln Glu Ala Cys Gly Ala Leu Val Ser Leu Ala Ser Cys Pro Pro
50 55 60
Phe Leu Leu Pro Pro Leu Thr Leu Pro Pro Thr Leu Ser Leu Arg Thr
65 70 75 80
Ser Ser Trp Lys Gly Leu Ala Arg Ala Xaa Val Leu Ala Ser Leu Trp
85 90 95
Gly Gly Arg Leu Cys Gly Leu Lys Gly Cys Arg Leu Lys Leu Gln Gly
100 105 110
Val Gly Ala Trp
115

<210> 1362
<211> 167
<212> PRT
<213> Homo sapiens

<400> 1362
Met Arg Lys Ile His Thr Pro Leu Phe Asn Leu Leu Gln Val Arg Leu
1 5 10 15
Gly Phe Val Tyr Phe Pro Cys Phe Thr Phe Pro Cys Val Gln Ala Val
20 25 30
Val Glu Thr Gly Thr Gln Gly Leu Cys Val Ala Pro Cys Ser Ser Cys

35	40	45
Leu Gln Glu Ala Cys Gly	Ala Leu Val Ser Leu	Ala Ser Cys Pro Pro
50	55	60
Phe Leu Leu Pro Pro Leu Thr	Leu Pro Pro Thr Leu Ser	Leu Arg Thr
65	70	80
Ser Ser Trp Lys Gly Leu Ala Arg	Ala Cys Val Leu Ala Ser	Leu Trp
85	90	95
Gly Gly Arg Leu Cys Gly Leu Lys	Gly Cys Arg Leu Lys	Leu Gln Gly
100	105	110
Val Gly Ala Trp Glu Gly Met Cys	Thr Ala Leu Leu Thr Asp	Pro Phe
115	120	125
Met Phe Ser Phe Phe Asp Ser	Val Leu Cys Cys Pro Asp	Gly Gly Val
130	135	140
Ser Pro Cys Leu Leu Pro Phe	Leu Pro Trp Thr Leu Ala	Ile Gly Pro
145	150	155
Asp Glu Arg Val His Val Val		
165		

<210> 1363
 <211> 286
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (204)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (224)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (228)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (264)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (271)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1363

Met	Tyr	Leu	Ser	Ala	Leu	Gln	Ser	Leu	Ile	Pro	Ser	Leu	Phe	Ala	Leu
1				5					10					15	
Val	Leu	Gln	Asn	Ala	Pro	Phe	Ser	Ser	Lys	Ala	Lys	Leu	His	Gly	Glu
			20					25					30		
Val	Pro	Gln	Ile	Glu	Val	Thr	Arg	Phe	Pro	Arg	Pro	Met	Ser	Pro	Leu
		35					40					45			
Gln	Asp	Val	Ser	Thr	Ile	Ile	Gly	Ser	Arg	Glu	Gln	Leu	Ala	Val	Leu
	50					55					60				
Leu	Gln	Leu	Tyr	Asp	Tyr	Gln	Leu	Glu	Gln	Glu	Gly	Thr	Thr	Gly	Trp
65					70					75					80
Glu	Ser	Leu	Leu	Trp	Val	Val	Asn	Gln	Leu	Leu	Pro	Gln	Leu	Ile	Glu
				85					90					95	
Ile	Val	Gly	Lys	Ile	Asn	Val	Thr	Ser	Thr	Ala	Cys	Val	His	Glu	Phe
		100						105					110		
Ser	Arg	Phe	Phe	Trp	Arg	Leu	Cys	Arg	Thr	Phe	Gly	Lys	Ile	Phe	Thr
		115					120					125			
Asn	Thr	Lys	Val	Lys	Pro	Gln	Phe	Gln	Glu	Ile	Leu	Arg	Leu	Ser	Glu
	130					135						140			
Glu	Asn	Ile	Asp	Ser	Ser	Ala	Gly	Asn	Gly	Val	Leu	Thr	Lys	Ala	Thr
145					150					155					160
Val	Pro	Ile	Tyr	Ala	Thr	Gly	Val	Leu	Thr	Cys	Tyr	Ile	Gln	Glu	Glu
				165					170					175	
Asp	Arg	Lys	Leu	Leu	Val	Gly	Phe	Leu	Glu	Asp	Val	Met	Thr	Leu	Leu
			180					185					190		
Ser	Leu	Ser	His	Ala	Pro	Leu	Asp	Ser	Leu	Lys	Xaa	Ser	Phe	Val	Glu
		195					200					205			
Leu	Gly	Ala	Asn	Gln	Ala	Tyr	His	Glu	Leu	Leu	Leu	Thr	Val	Leu	Xaa
	210					215						220			
Tyr	Gly	Val	Xaa	His	Thr	Ser	Ala	Leu	Val	Arg	Cys	Thr	Ala	Ala	Arg
225					230					235					240
Met	Phe	Glu	Leu	Leu	Val	Lys	Gly	Val	Asn	Glu	Thr	Leu	Val	Ala	Gln
				245					250					255	
Arg	Val	Val	Pro	Ala	Leu	His	Xaa	Leu	Ser	Pro	Val	Asp	Pro	Xaa	Asn
			260					265					270		
Leu	Cys	Gln	Asp	Cys	His	Asn	Phe	Gln	Pro	Leu	Gly	Leu	Phe		
	275						280					285			

<210> 1364

<211> 283

<212> PRT

<213> Homo sapiens

<400> 1364

Met Tyr Leu Ser Ala Leu Gln Ser Leu Ile Pro Ser Leu Phe Ala Leu
1 5 10 15

Val Leu Gln Asn Ala Pro Phe Ser Ser Lys Ala Lys Leu His Gly Glu
20 25 30

Val Pro Gln Ile Glu Val Thr Arg Phe Pro Arg Pro Met Ser Pro Leu
35 40 45

Gln Asp Val Ser Thr Ile Ile Gly Ser Arg Glu Gln Leu Ala Val Leu
50 55 60

Leu Gln Leu Tyr Asp Tyr Gln Leu Glu Gln Glu Gly Thr Thr Gly Trp
65 70 75 80

Glu Ser Leu Leu Trp Val Val Asn Gln Leu Leu Pro Gln Leu Ile Glu
85 90 95

Ile Val Gly Lys Ile Asn Val Thr Ser Thr Ala Cys Val His Glu Phe
100 105 110

Ser Arg Phe Phe Trp Arg Leu Cys Arg Thr Phe Gly Lys Ile Phe Thr
115 120 125

Asn Thr Lys Val Lys Pro Gln Phe Gln Glu Ile Leu Arg Leu Ser Glu
130 135 140

Glu Asn Ile Asp Ser Ser Ala Gly Asn Gly Val Leu Thr Lys Ala Thr
145 150 155 160

Val Pro Ile Tyr Ala Thr Gly Val Leu Thr Cys Tyr Ile Gln Glu Glu
165 170 175

Asp Arg Lys Leu Leu Val Gly Phe Leu Glu Asp Val Met Thr Leu Leu
180 185 190

Ser Leu Ser His Ala Pro Leu Asp Ser Leu Lys Ala Ser Phe Val Glu
195 200 205

Leu Gly Ala Asn Pro Ala Tyr His Glu Leu Leu Leu Thr Val Leu Trp
210 215 220

Tyr Gly Val Val His Thr Ser Ala Leu Val Arg Cys Thr Ala Ala Arg
225 230 235 240

Met Phe Glu Val Cys Gln His Met Pro Leu Leu Val Ser Ile Ile Met
245 250 255

Ile Phe Phe Phe Leu Arg Arg Arg Arg Glu Phe Phe Leu Ile Lys Arg
260 265 270

Leu Cys Ile Ser Lys Lys Lys Lys Lys Lys Lys
 275 280

<210> 1365
 <211> 379
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (283)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (303)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (307)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1365
 Met Gly Tyr Ile Asp Asp Pro Asp Lys Tyr His Gln Gly Phe Glu Leu
 1 5 10 15
 Leu Leu Ser Ala Leu Gly Asp Pro Ser Glu Arg Val Val Ser Ala Thr
 20 25 30
 His Gln Val Phe Leu Pro Ala Tyr Ala Ala Trp Thr Thr Glu Leu Gly
 35 40 45
 Asn Leu Gln Ser His Leu Ile Leu Thr Leu Leu Asn Lys Ile Glu Lys
 50 55 60
 Leu Leu Arg Glu Gly Glu His Gly Leu Asp Glu His Lys Leu His Met
 65 70 75 80
 Tyr Leu Ser Ala Leu Gln Ser Leu Ile Pro Ser Leu Phe Ala Leu Val
 85 90 95
 Leu Gln Asn Ala Pro Phe Ser Ser Lys Ala Lys Leu His Gly Glu Val
 100 105 110
 Pro Gln Ile Glu Val Thr Arg Phe Pro Arg Pro Met Ser Pro Leu Gln
 115 120 125
 Asp Val Ser Thr Ile Ile Gly Ser Arg Glu Gln Leu Ala Val Leu Leu
 130 135 140
 Gln Leu Tyr Asp Tyr Gln Leu Glu Gln Glu Gly Thr Thr Gly Trp Glu
 145 150 155 160

Ser Leu Leu Trp Val Val Asn Gln Leu Leu Pro Gln Leu Ile Glu Ile
 165 170 175
 Val Gly Lys Ile Asn Val Thr Ser Thr Ala Cys Val His Glu Phe Ser
 180 185 190
 Arg Phe Phe Trp Arg Leu Cys Arg Thr Phe Gly Lys Ile Phe Thr Asn
 195 200 205
 Thr Lys Val Lys Pro Gln Phe Gln Glu Ile Leu Arg Leu Ser Glu Glu
 210 215 220
 Asn Ile Asp Ser Ser Ala Gly Asn Gly Val Leu Thr Lys Ala Thr Val
 225 230 235 240
 Pro Ile Tyr Ala Thr Gly Val Leu Thr Cys Tyr Ile Gln Glu Glu Asp
 245 250 255
 Arg Lys Leu Leu Val Gly Phe Leu Glu Asp Val Met Thr Leu Leu Ser
 260 265 270
 Leu Ser His Ala Pro Leu Asp Ser Leu Lys Xaa Ser Phe Val Glu Leu
 275 280 285
 Gly Ala Asn Gln Ala Tyr His Glu Leu Leu Leu Thr Val Leu Xaa Tyr
 290 295 300
 Gly Val Xaa His Thr Ser Ala Leu Val Arg Cys Thr Ala Ala Arg Met
 305 310 315 320
 Phe Glu Leu Leu Val Lys Gly Val Asn Glu Thr Leu Val Ala Gln Arg
 325 330 335
 Val Val Pro Ala Leu Ile Thr Leu Ser Ser Asp Pro Glu Ile Ser Val
 340 345 350
 Arg Ile Ala Thr Ile Pro Ala Phe Gly Thr Ile Met Glu Thr Val Ile
 355 360 365
 Gln Arg Glu Leu Leu Glu Arg Val Lys Met Gln
 370 375

<210> 1366
 <211> 156
 <212> PRT
 <213> Homo sapiens

<400> 1366
 Met Pro Ala Leu Leu Pro Val Ala Ser Arg Leu Leu Leu Leu Pro Arg
 1 5 10 15

Val Leu Leu Thr Met Ala Ser Gly Ser Pro Pro Thr Gln Pro Ser Pro
 20 25 30

Ala Ser Asp Ser Gly Ser Gly Tyr Val Pro Gly Ser Val Ser Ala Ala

35	40	45
Phe Val Thr Cys Pro Asn Glu Lys Val Ala Lys Glu Ile Ala Arg Ala		
50	55	60
Val Val Glu Lys Arg Leu Ala Ala Cys Val Asn Leu Ile Pro Gln Ile		
65	70	75
Thr Ser Ile Tyr Glu Trp Lys Gly Lys Ile Glu Glu Asp Ser Glu Val		
85	90	95
Leu Met Met Ile Lys Thr Gln Ser Ser Leu Val Pro Ala Leu Thr Asp		
100	105	110
Phe Val Arg Ser Val His Pro Tyr Glu Val Ala Glu Val Ile Ala Leu		
115	120	125
Pro Val Glu Gln Gly Asn Phe Pro Tyr Leu Gln Trp Val Arg Gln Val		
130	135	140
Thr Glu Ser Val Ser Asp Ser Ile Thr Val Leu Pro		
145	150	155

<210> 1367
 <211> 156
 <212> PRT
 <213> Homo sapiens

<400> 1367
Met Pro Ala Leu Leu Pro Val Ala Ser Arg Leu Leu Leu Leu Pro Arg
1 5 10 15
Val Leu Leu Thr Met Ala Ser Gly Ser Pro Pro Thr Gln Pro Ser Pro
20 25 30
Ala Ser Asp Ser Gly Ser Gly Tyr Val Pro Gly Ser Val Ser Ala Ala
35 40 45
Phe Val Thr Cys Pro Asn Glu Lys Val Ala Lys Glu Ile Ala Arg Ala
50 55 60
Val Val Glu Lys Arg Leu Ala Ala Cys Val Asn Leu Ile Pro Gln Ile
65 70 75 80
Thr Ser Ile Tyr Glu Trp Lys Gly Lys Ile Glu Glu Asp Ser Glu Val
85 90 95
Leu Met Met Ile Lys Thr Gln Ser Ser Leu Val Pro Ala Leu Thr Asp
100 105 110
Phe Val Arg Ser Val His Pro Tyr Glu Val Ala Glu Val Ile Ala Leu
115 120 125
Pro Val Glu Gln Gly Asn Phe Pro Tyr Leu Gln Trp Val Arg Gln Val
130 135 140

Thr Glu Ser Val Ser Asp Ser Ile Thr Val Leu Pro
145 150 155

<210> 1368
<211> 442
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (164)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (247)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1368
Met Trp Arg Leu Pro Gly Leu Leu Gly Arg Ala Leu Pro Arg Thr Leu
1 5 10 15
Gly Pro Ser Leu Trp Arg Val Thr Pro Lys Ser Thr Ser Pro Asp Gly
20 25 30
Pro Gln Thr Thr Ser Ser Thr Leu Leu Val Pro Val Pro Asn Leu Asp
35 40 45
Arg Ser Gly Pro His Gly Pro Gly Thr Ser Gly Gly Pro Arg Ser His
50 55 60
Gly Trp Lys Asp Ala Phe Gln Trp Met Ser Ser Arg Val Ser Pro Asn
65 70 75 80
Thr Leu Trp Asp Ala Ile Ser Trp Gly Thr Leu Ala Val Leu Ala Leu
85 90 95
Gln Leu Ala Arg Gln Ile His Phe Gln Ala Ser Leu Pro Ala Gly Pro
100 105 110
Gln Arg Val Glu His Cys Ser Trp His Ser Pro Leu Asp Arg Phe Phe
115 120 125
Ser Ser Pro Leu Trp His Pro Cys Ser Ser Leu Arg Gln His Ile Leu
130 135 140
Pro Ser Pro Asp Gly Pro Ala Pro Arg His Thr Gly Leu Arg Glu Pro
145 150 155 160
Arg Leu Gly Xaa Glu Glu Ala Ser Ala Gln Pro Arg Asn Phe Ser His
165 170 175
Asn Ser Leu Arg Gly Ala Arg Pro Gln Asp Pro Ser Glu Glu Gly Pro
180 185 190

Gly Asp Phe Gly Phe Leu His Ala Ser Ser Ser Ile Glu Ser Glu Ala
 195 200 205
 Lys Pro Ala Gln Pro Gln Pro Thr Gly Glu Lys Glu Gln Asp Lys Ser
 210 215 220
 Lys Thr Leu Ser Leu Glu Glu Ala Val Thr Ser Ile Gln Gln Leu Phe
 225 230 235 240
 Gln Leu Ser Val Ser Ile Xaa Phe Asn Phe Leu Gly Thr Glu Asn Met
 245 250 255
 Lys Ser Gly Asp His Thr Ala Ala Phe Ser Tyr Phe Gln Lys Ala Ala
 260 265 270
 Ala Arg Gly Tyr Ser Lys Ala Gln Tyr Asn Ala Gly Leu Cys His Glu
 275 280 285
 His Gly Arg Gly Thr Pro Arg Asp Ile Ser Lys Ala Val Leu Tyr Tyr
 290 295 300
 Gln Leu Ala Ala Ser Gln Gly His Ser Leu Ala Gln Tyr Arg Tyr Ala
 305 310 315 320
 Arg Cys Leu Leu Arg Asp Pro Ala Ser Ser Trp Asn Pro Glu Arg Gln
 325 330 335
 Arg Ala Val Ser Leu Leu Lys Gln Ala Ala Asp Ser Gly Leu Arg Glu
 340 345 350
 Ala Gln Ala Phe Leu Gly Val Leu Phe Thr Lys Glu Pro Tyr Leu Asp
 355 360 365
 Glu Gln Arg Ala Val Lys Tyr Leu Trp Leu Ala Ala Asn Asn Gly Asp
 370 375 380
 Ser Gln Ser Arg Tyr His Leu Gly Ile Cys Tyr Glu Lys Gly Leu Gly
 385 390 395 400
 Val Gln Arg Asn Leu Gly Glu Ala Leu Arg Cys Tyr Gln Gln Ser Ala
 405 410 415
 Ala Leu Gly Asn Glu Ala Ala Gln Glu Arg Leu Arg Ala Leu Phe Ser
 420 425 430
 Met Gly Ala Ala Ala Gly Gly Pro Ala Thr
 435 440

<210> 1369
 <211> 84
 <212> PRT
 <213> Homo sapiens
 <400> 1369

Met Gly Leu Arg Leu Pro Pro Pro Leu Cys Trp Phe Leu Cys Leu Thr
1 5 10 15
Ser Thr Gly Gln Val Pro Met Ala Gln Ala Arg Ala Gly Val Gln Gly
20 25 30
Pro Met Asp Gly Arg Met Pro Ser Asn Gly Cys Leu Pro Val Ser Pro
35 40 45
Arg Thr Pro Tyr Gly Met Pro Tyr Leu Gly Ala Leu Trp Pro Cys Trp
50 55 60
Pro Cys Ser Trp Gln Gly Arg Ser Thr Ser Arg His Pro Cys Gln Gln
65 70 75 80
Asp Leu Ser Gly

<210> 1370
<211> 129
<212> PRT
<213> Homo sapiens

<400> 1370
Met Val Gly Val Gln Ile Trp Thr Leu Thr Cys Cys Val Ile Leu Val
1 5 10 15
Val Val Leu Pro Phe Ser Val Pro His Ser Leu Ile Cys Arg Met Gly
20 25 30
Leu Ile Ala Thr Ser Val Leu Gln Gly His Gly Lys Ser Lys Met Ile
35 40 45
Asn Ala Thr Val Cys Leu Ala Leu Gly Leu Pro Arg Val Pro Arg Glu
50 55 60
Asp Gln Leu Ile Val Ser Leu Asp Pro Gln Ser Ser Glu Ser Ala Ser
65 70 75 80
Leu Glu Ala Leu Leu Lys Tyr Ser Phe Leu Gly Pro Pro Ser Leu Phe
85 90 95
Pro Ile Gln Trp Ser Gly Leu Gly Leu Ser Ile Ser Val Ser Tyr Gln
100 105 110
Phe Gln Val Thr Leu Val Pro Leu Ala Trp Gly Pro Asn Ser Gln Asp
115 120 125
Pro

<210> 1371
<211> 53

<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (53)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1371
Xaa Xaa Asp Thr Gln Gly Arg Val Arg Gly Arg His Glu Glu Trp Gly
1 5 10 15
Gly Arg Arg Trp Arg Lys Glu Gly Ser Glu Gln Arg Ala Pro Gly Met
20 25 30
Ala Trp Lys Arg Leu Ser Pro Trp Ile Leu Trp Val Gly Ala Ser Gly
35 40 45
Leu Thr Ser Xaa Xaa
50

<210> 1372
<211> 129
<212> PRT
<213> Homo sapiens

<400> 1372
Met Val Gly Val Gln Ile Trp Thr Leu Thr Cys Cys Val Ile Leu Val
1 5 10 15
Val Val Leu Pro Phe Ser Val Pro His Ser Leu Ile Cys Arg Met Gly
20 25 30
Leu Ile Ala Thr Ser Val Leu Gln Gly His Gly Lys Ser Lys Met Ile
35 40 45
Asn Ala Thr Val Cys Leu Ala Leu Gly Leu Pro Arg Val Pro Arg Glu
50 55 60
Asp Gln Leu Ile Val Ser Leu Asp Pro Gln Ser Ser Glu Ser Ala Ser

65		70		75		80									
Leu	Glu	Ala	Leu	Leu	Lys	Tyr	Ser	Phe	Leu	Gly	Pro	Pro	Ser	Leu	Phe
			85						90					95	
Pro	Ile	Gln	Trp	Ser	Gly	Leu	Gly	Leu	Ser	Ile	Ser	Val	Ser	Tyr	Gln
		100						105					110		
Phe	Gln	Val	Thr	Leu	Val	Pro	Leu	Ala	Trp	Gly	Pro	Asn	Ser	Gln	Asp
	115						120					125			

Pro

<210> 1373
 <211> 117
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (114)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1373
 Met Gly Phe Leu Phe Leu Leu Gly Leu Tyr Ile Ser Ser Leu Ala Ser
 1 5 10 15
 Cys Met Gly Gly Leu Tyr Gly Ala Pro Arg Ile Leu Gln Cys Ile Ala
 20 25 30
 Gln Glu Lys Val Ile Pro Ala Leu Ala Cys Leu Gly Gln Gly Lys Gly
 35 40 45
 Pro Asn Lys Thr Pro Val Ala Ala Ile Cys Leu Thr Ser Leu Val Thr
 50 55 60
 Met Ala Phe Val Phe Val Gly Gln Val Asn Val Leu Ala Pro Ile Val
 65 70 75 80
 Thr Ile Asn Phe Met Leu Thr Tyr Val Ala Val Asp Tyr Ser Tyr Phe
 85 90 95
 Ser Leu Ser Met Cys Ser Cys Ser Leu Thr Pro Val Pro Glu Pro Val
 100 105 110
 Leu Xaa Glu Gly Ala
 115

<210> 1374
 <211> 98
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (85)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (90)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (97)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1374
 Gln Gly Thr Pro Arg Leu Cys Thr Thr Arg Leu Leu Val Gln Arg Ala
 1 5 10 15
 Thr Ile Ser Val Cys Phe Ile Phe Tyr Cys Ile Ile Tyr Ser Lys Ile
 20 25 30
 Asn Asn Thr Leu Thr Cys Phe His Thr Gln Lys Ile Tyr Arg Val Lys
 35 40 45
 Ser Leu Pro Pro Ile Leu Ile Leu His Leu Leu Ser Ser Cys Leu Pro
 50 55 60
 Trp Pro Arg Gly Asn His Tyr Ser His Pro Tyr Ile Gln His Phe Phe
 65 70 75 80
 Met Asp Ile Gln Xaa Asn Gly Asn Val Xaa Ser His Ile Ser Leu Phe
 85 90 95
 Xaa Pro

<210> 1375
 <211> 407
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (114)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1375
 Met Gly Phe Leu Phe Leu Leu Gly Leu Tyr Ile Ser Ser Leu Ala Ser
 1 5 10 15
 Cys Met Gly Gly Leu Tyr Gly Ala Pro Arg Ile Leu Gln Cys Ile Ala
 20 25 30

Gln	Glu	Lys	Val	Ile	Pro	Ala	Leu	Ala	Cys	Leu	Gly	Gln	Gly	Lys	Gly	35	40	45
Pro	Asn	Lys	Thr	Pro	Val	Ala	Ala	Ile	Cys	Leu	Thr	Ser	Leu	Val	Thr	50	55	60
Met	Ala	Phe	Val	Phe	Val	Gly	Gln	Val	Asn	Val	Leu	Ala	Pro	Ile	Val	65	70	75
Thr	Ile	Asn	Phe	Met	Leu	Thr	Tyr	Val	Ala	Val	Asp	Tyr	Ser	Tyr	Phe	85	90	95
Ser	Leu	Ser	Met	Cys	Ser	Cys	Ser	Leu	Thr	Pro	Val	Pro	Glu	Pro	Val	100	105	110
Leu	Xaa	Glu	Gly	Ala	Glu	Gly	Leu	His	Cys	Ser	Glu	His	Leu	Leu	Leu	115	120	125
Glu	Lys	Ala	Pro	Ser	Tyr	Gly	Ser	Glu	Gly	Pro	Ala	Gln	Arg	Val	Leu	130	135	140
Glu	Gly	Thr	Leu	Leu	Glu	Phe	Thr	Lys	Asp	Met	Asp	Gln	Leu	Leu	Gln	145	150	155
Leu	Thr	Arg	Lys	Leu	Glu	Ser	Ser	Gln	Pro	Arg	Gln	Gly	Glu	Gly	Asn	165	170	175
Arg	Thr	Pro	Glu	Ser	Gln	Lys	Arg	Lys	Ser	Lys	Lys	Ala	Thr	Lys	Gln	180	185	190
Thr	Leu	Gln	Asp	Ser	Phe	Leu	Leu	Asp	Leu	Lys	Ser	Pro	Pro	Ser	Phe	195	200	205
Pro	Val	Glu	Ile	Ser	Asp	Arg	Leu	Pro	Ala	Ala	Ser	Trp	Glu	Gly	Gln	210	215	220
Glu	Ser	Cys	Trp	Asn	Lys	Gln	Thr	Ser	Lys	Ser	Glu	Gly	Thr	Gln	Pro	225	230	235
Glu	Gly	Thr	Tyr	Gly	Glu	Gln	Leu	Val	Pro	Glu	Leu	Cys	Asn	Gln	Ser	245	250	255
Glu	Ser	Ser	Gly	Glu	Asp	Phe	Phe	Leu	Lys	Ser	Arg	Leu	Gln	Glu	Gln	260	265	270
Asp	Val	Trp	Arg	Arg	Ser	Thr	Ser	Phe	Tyr	Thr	His	Met	Cys	Asn	Pro	275	280	285
Trp	Val	Ser	Leu	Leu	Gly	Ala	Val	Gly	Ser	Leu	Leu	Ile	Met	Phe	Val	290	295	300
Ile	Gln	Trp	Val	Tyr	Thr	Leu	Val	Asn	Met	Gly	Val	Ala	Ala	Ile	Val	305	310	315
Tyr	Phe	Tyr	Ile	Gly	Arg	Ala	Ser	Pro	Gly	Leu	His	Leu	Gly	Ser	Ala	325	330	335

Ser Asn Phe Ser Phe Phe Arg Trp Met Arg Ser Leu Leu Leu Pro Ser
 340 345 350
 Cys Arg Ser Leu Gln Ser Pro Gln Glu Gln Ile Ile Leu Ala Pro Ser
 355 360 365
 Leu Ala Lys Val Asp Met Glu Met Thr Gln Leu Thr Gln Glu Asn Ala
 370 375 380
 Asp Phe Ala Thr Arg Asp Arg Tyr His His Ser Ser Leu Val Asn Arg
 385 390 395 400
 Glu Gln Leu Met Pro His Tyr
 405

<210> 1376
 <211> 137
 <212> PRT
 <213> Homo sapiens

<400> 1376
 Met Leu Ser Gly Arg Leu Val Leu Gly Leu Val Ser Met Ala Gly Arg
 1 5 10 15
 Val Cys Leu Cys Gln Gly Ser Ala Gly Ser Gly Ala Ile Gly Pro Val
 20 25 30
 Glu Ala Ala Ile Arg Thr Lys Leu Glu Glu Ala Leu Ser Pro Glu Val
 35 40 45
 Leu Glu Leu Arg Asn Glu Ser Gly Gly His Ala Val Pro Pro Gly Ser
 50 55 60
 Glu Thr His Phe Arg Val Ala Val Val Ser Ser Arg Phe Glu Gly Leu
 65 70 75 80
 Ser Pro Leu Gln Arg His Arg Leu Val His Ala Ala Leu Ala Glu Glu
 85 90 95
 Leu Gly Gly Pro Val His Ala Leu Ala Ile Gln Ala Arg Thr Pro Ala
 100 105 110
 Gln Trp Arg Glu Asn Ser Gln Leu Asp Thr Ser Pro Pro Cys Leu Gly
 115 120 125
 Gly Asn Lys Lys Thr Leu Gly Thr Pro
 130 135

<210> 1377
 <211> 143
 <212> PRT
 <213> Homo sapiens

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (58)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (104)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1377
Phe Gly Pro Ala Val Phe Gly Phe Gly Ser Pro Arg Gly Lys Pro Pro
1 5 10 15
Gly Asn Xaa Arg Gly Gly Pro Ile Arg Val Pro Gly Phe Gly Arg Pro
20 25 30
Arg Pro Ile Ser Ala Pro Glu Val Trp Glu Gly Arg Pro Leu Xaa Ala
35 40 45
Pro Arg Ser Cys Phe Arg Asn Phe Arg Xaa Arg Arg Ser Gly Gly His
50 55 60
Ala Val Pro Pro Gly Ser Glu Thr His Phe Arg Val Ala Val Val Ser
65 70 75 80
Ser Arg Phe Glu Gly Leu Ser Pro Leu Gln Arg His Arg Leu Val His
85 90 95
Ala Ala Leu Ala Glu Glu Leu Xaa Gly Pro Val His Ala Leu Ala Ile
100 105 110
Gln Ala Arg Thr Pro Ala Gln Trp Arg Glu Asn Ser Gln Leu Asp Thr
115 120 125
Ser Pro Pro Cys Leu Gly Gly Asn Lys Lys Thr Leu Gly Thr Pro
130 135 140

<210> 1378
<211> 137
<212> PRT
<213> Homo sapiens

<400> 1378
Met Leu Ser Gly Arg Leu Val Leu Gly Leu Val Ser Met Ala Gly Arg

1	5	10	15
Val Cys Leu Cys Gln Gly Ser Ala Gly Ser Gly Ala Ile Gly Pro Val	20	25	30
Glu Ala Ala Ile Arg Thr Lys Leu Glu Glu Ala Leu Ser Pro Glu Val	35	40	45
Leu Glu Leu Arg Asn Glu Ser Gly Gly His Ala Val Pro Pro Gly Ser	50	55	60
Glu Thr His Phe Arg Val Ala Val Val Ser Ser Arg Phe Glu Gly Leu	65	70	75
Ser Pro Leu Gln Arg His Arg Leu Val His Ala Ala Leu Ala Glu Glu	85	90	95
Leu Gly Gly Pro Val His Ala Leu Ala Ile Gln Ala Arg Thr Pro Ala	100	105	110
Gln Trp Arg Glu Asn Ser Gln Leu Asp Thr Ser Pro Pro Cys Leu Gly	115	120	125
Gly Asn Lys Lys Thr Leu Gly Thr Pro	130	135	

<210> 1379

<211> 82

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1379

Met Ile Arg Arg Leu Val Phe Ala Ala Phe Pro Arg Leu Phe Pro Val	1	5	10	15
Xaa Leu Pro Ser Met Leu Thr His Trp Ala Ser Leu Ala Val Ile Pro	20	25	30	
Thr Met Thr Ala Thr Ser Val Gly Lys Ala Pro Pro Gly Pro Leu Pro	35	40	45	
Asp Ala Ser Pro Ser Leu Arg Leu Pro Ala Arg Arg Arg Pro Asp Pro	50	55	60	
Val Gly Ala Cys Arg Gly Val Arg Gly Met Ala Asp Leu Met Val Pro	65	70	75	80
Leu Pro				

<210> 1380
 <211> 254
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (176)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (210)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (214)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (237)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (246)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1380
 Glu Phe Gly Thr Ser Leu Lys Val Arg Gly Phe Ile Leu Glu Val Ser
 1 5 10 15
 Glu Thr Thr Asn Pro Pro Glu Gly Thr Asn Ser Gly His Ser Gly Met
 20 25 30
 Val Ser Ala Leu Cys Gly Leu Cys Leu Leu Gly Ser Asn Asp Ser Pro
 35 40 45
 Ala Ser Ala Ser Gln Val Ala Gly Thr Thr Gly Leu Ser Lys Ser Leu
 50 55 60
 Gly Leu Ile Glu Gly Tyr Gly Gly Arg Gly Lys Gly Gly Leu Pro Ala
 65 70 75 80
 Thr Leu Ser Pro Ala Glu Glu Glu Lys Ala Lys Gly Pro His Glu Lys
 85 90 95
 Tyr Gly Tyr Asn Ser Tyr Leu Ser Glu Lys Ile Ser Leu Asp Arg Ser
 100 105 110
 Ile Pro Asp Tyr Arg Pro Thr Lys Cys Lys Glu Leu Lys Tyr Ser Lys
 115 120 125

Asp	Leu	Pro	Gln	Ile	Ser	Ile	Ile	Phe	Ile	Phe	Val	Asn	Glu	Ala	Leu
130						135					140				
Ser	Val	Ile	Leu	Arg	Ser	Val	His	Ser	Ala	Val	Asn	His	Thr	Pro	Thr
145					150					155					160
His	Leu	Leu	Lys	Glu	Ile	Ile	Leu	Val	Asp	Asp	Asn	Ser	Asp	Glu	Xaa
			165						170					175	
Glu	Leu	Lys	Val	Pro	Leu	Glu	Glu	Tyr	Val	His	Lys	Arg	Tyr	Pro	Gly
		180						185					190		
Leu	Val	Lys	Val	Val	Arg	Asn	Gln	Lys	Arg	Glu	Ser	Leu	Ile	Arg	Ala
	195						200					205			
Arg	Xaa	Glu	Gly	Trp	Xaa	Val	Ala	Thr	Gly	Gln	Val	Thr	Gly	Phe	Phe
210						215					220				
Asp	Ala	Pro	Arg	Gly	Ile	His	Arg	Leu	Leu	Gly	Leu	Xaa	Arg	Val	Tyr
225					230					235					240
Pro	Asp	Pro	Gly	Lys	Xaa	Arg	Lys	Arg	Gly	Asn	Leu	Pro	Leu		
			245						250						

<210> 1381
 <211> 74
 <212> PRT
 <213> Homo sapiens

<400> 1381															
Gly	Arg	Glu	Phe	Glu	Thr	Ser	Leu	Asp	Asn	Ile	Ala	Arg	Asp	Pro	Val
1				5					10					15	
Cys	Ile	Thr	Ser	Leu	Lys	Ile	Asp	Trp	Ala	Trp	Trp	Cys	Met	Met	Val
			20					25					30		
Val	Pro	Ala	Thr	Arg	Gly	Thr	Gly	Ala	Glu	Gly	Ser	Leu	Glu	Ser	Arg
		35					40					45			
Phe	Gln	Ala	Ala	Val	Gly	Cys	Asp	Cys	Val	Thr	Ala	Leu	Gln	Pro	Gly
	50					55					60				
Gln	Gln	Ser	Glu	Thr	Leu	Ser	Leu	Lys	Lys						
65					70										

<210> 1382
 <211> 273
 <212> PRT
 <213> Homo sapiens

<400> 1382															
Met	Val	Ser	Ala	Leu	Cys	Gly	Leu	Cys	Leu	Leu	Gly	Ser	Asn	Asp	Ser
1				5					10					15	

Pro Ala Ser Ala Ser Gln Val Ala Gly Thr Thr Gly Leu Ser Lys Ser
 20 25 30
 Leu Gly Leu Ile Glu Gly Tyr Gly Gly Arg Gly Lys Gly Gly Leu Pro
 35 40 45
 Ala Thr Leu Ser Pro Ala Glu Glu Glu Lys Ala Lys Gly Pro His Glu
 50 55 60
 Lys Tyr Gly Tyr Asn Ser Tyr Leu Ser Glu Lys Ile Ser Leu Asp Arg
 65 70 75 80
 Ser Ile Pro Asp Tyr Arg Pro Thr Lys Cys Lys Glu Leu Lys Tyr Ser
 85 90 95
 Lys Asp Leu Pro Gln Ile Ser Ile Ile Phe Ile Phe Val Asn Glu Ala
 100 105 110
 Leu Ser Val Ile Leu Arg Ser Val His Ser Ala Val Asn His Thr Pro
 115 120 125
 Thr His Leu Leu Lys Glu Ile Ile Leu Val Asp Asp Asn Ser Asp Glu
 130 135 140
 Glu Glu Leu Lys Val Pro Leu Glu Glu Tyr Val His Lys Arg Tyr Pro
 145 150 155 160
 Gly Leu Val Lys Val Val Arg Asn Gln Lys Arg Glu Gly Leu Ile Arg
 165 170 175
 Ala Arg Ile Glu Gly Trp Lys Val Ala Thr Gly Gln Val Thr Gly Phe
 180 185 190
 Phe Asp Ala His Val Glu Phe Thr Ala Gly Trp Ala Glu Pro Val Leu
 195 200 205
 Ser Arg Ile Gln Glu Asn Arg Lys Arg Val Ile Leu Pro Ser Ile Asp
 210 215 220
 Asn Ile Lys Gln Asp Asn Phe Glu Val Gln Arg Tyr Glu Asn Ser Ala
 225 230 235 240
 His Gly Tyr Ser Trp Glu Leu Trp Cys Met Tyr Ile Ser Pro Pro Lys
 245 250 255
 Asp Trp Trp Asp Ala Gly Asp Pro Ser Leu Pro Ile Ser Asp Arg Phe
 260 265 270
 Ser

<210> 1383

<211> 238

<212> PRT

<213> Homo sapiens

<400> 1383

Met Gln Gln Gly Pro Lys Glu Phe Ile Glu Cys Val Ser His Ile Arg
1 5 10 15
Leu Leu Ser Trp Leu Leu Leu Gly Ser Leu Thr His Asn Ala Val Cys
20 25 30
Pro Asn Ala Ser Ser Pro Cys Leu Pro Ile Pro Leu Asp Ala Gly Ser
35 40 45
His Val Ala Asp His Leu Ile Val Ile Leu Ile Gly Phe Pro Glu Gln
50 55 60
Ser Lys Thr Ser Val Leu His Met Cys Ser Leu Phe His Ala Phe Ile
65 70 75 80
Phe Ala Gln Leu Trp Thr Val Tyr Cys Glu Gln Ser Ala Val Ala Thr
85 90 95
Asn Leu Gln Asn Gln Asn Glu Phe Ser Phe Thr Ala Ile Leu Thr Ala
100 105 110
Leu Glu Phe Trp Ser Arg Val Thr Pro Ser Ile Leu Gln Leu Met Ala
115 120 125
His Asn Lys Val Met Val Glu Met Val Cys Leu His Val Ile Ser Leu
130 135 140
Met Glu Ala Leu Gln Glu Cys Asn Ser Thr Ile Phe Val Lys Leu Ile
145 150 155 160
Pro Met Trp Leu Pro Met Ile Gln Ser Asn Ile Lys His Leu Ser Ala
165 170 175
Gly Leu Gln Leu Arg Leu Gln Ala Ile Gln Asn His Val Asn His His
180 185 190
Ser Leu Arg Thr Leu Pro Gly Ser Gly Gln Ser Ser Ala Gly Leu Ala
195 200 205
Ala Leu Arg Lys Trp Leu Gln Cys Thr Gln Phe Lys Met Ala Gln Val
210 215 220
Glu Ile Gln Ser Ser Glu Ala Ala Ser Gln Phe Tyr Pro Leu
225 230 235

<210> 1384

<211> 227

<212> PRT

<213> Homo sapiens

<400> 1384

His Glu Leu Lys Val Gly Leu Ala Gln Ile Ala Ala Met Asp Ile Ser

1	5	10	15
Arg Gly Asn His Arg Asp Asn Lys Ala Val Ile Arg Tyr Leu Pro Trp			
20	25	30	
Leu Tyr His Pro Pro Ser Ala Met Gln Gln Gly Pro Lys Glu Phe Ile			
35	40	45	
Glu Cys Val Ser His Ile Arg Leu Leu Ser Trp Leu Leu Leu Gly Ser			
50	55	60	
Leu Thr His Asn Ala Val Cys Pro Asn Ala Ser Ser Pro Cys Leu Pro			
65	70	75	80
Ile Pro Leu Asp Ala Gly Ser His Val Ala Asp His Leu Ile Val Ile			
85	90	95	
Leu Ile Gly Phe Pro Glu Gln Ser Lys Thr Ser Val Leu His Met Cys			
100	105	110	
Ser Leu Phe His Ala Phe Ile Phe Ala Gln Leu Trp Thr Val Tyr Cys			
115	120	125	
Glu Gln Ser Ala Val Ala Thr Asn Leu Gln Asn Gln Asn Glu Phe Ser			
130	135	140	
Phe Thr Ala Ile Leu Thr Ala Leu Glu Phe Trp Ser Arg Val Thr Pro			
145	150	155	160
Ser Ile Leu Gln Leu Met Ala His Asn Lys Val Met Val Glu Met Val			
165	170	175	
Cys Leu His Val Ile Ser Leu Met Glu Ala Leu Gln Glu Cys Asn Ser			
180	185	190	
Thr Ile Phe Val Lys Leu Ile Pro Met Trp Leu Pro Met Ile Gln Ser			
195	200	205	
Asn Ile Lys His Leu Ser Ala Gly Leu Gln Phe Ala Ser Arg Leu Phe			
210	215	220	
Arg Thr Thr			
225			

<210> 1385
 <211> 85
 <212> PRT
 <213> Homo sapiens

<400> 1385
 Met Ser Thr Cys Cys Thr Ser Ala Leu Gln Tyr Leu Leu Ala Leu Phe
 1 5 10 15
 Pro Leu Pro Ala Pro Asn Cys Val Ser Tyr Arg Ser Gln Gly Ser Ser
 20 25 30

Pro Leu Pro Ala Pro Asn Cys Val Ser Tyr Arg Ser Gln Gly Ser Ser
 20 25 30
 Cys Tyr Leu Leu Leu Gln Ile Gln Lys Pro Arg Leu Arg Glu Glu Pro
 35 40 45
 Glu Trp Pro Gln Pro Gln Ser Lys Ser Met Arg Gly Ser Met Lys Leu
 50 55 60
 Gly Phe Phe Pro His Cys Thr Arg Leu Leu Pro Ser Trp Gly Gly Gly
 65 70 75 80
 Gly Arg Cys Ser Gly
 85

<210> 1388
 <211> 261
 <212> PRT
 <213> Homo sapiens

<400> 1388
 Met Ala Val Lys Arg Gln Pro Gly Ala Ala Ala Leu Ala Trp Lys Asn
 1 5 10 15
 Pro Ile Ser Ser Trp Phe Thr Ala Met Leu His Cys Phe Gly Gly Gly
 20 25 30
 Ile Leu Ser Cys Leu Leu Leu Ala Glu Pro Pro Leu Lys Phe Leu Ala
 35 40 45
 Asn His Thr Asn Ile Leu Leu Ala Ser Ser Ile Trp Tyr Ile Thr Phe
 50 55 60
 Phe Cys Pro His Asp Leu Val Ser Gln Gly Tyr Ser Tyr Leu Pro Val
 65 70 75 80
 Gln Leu Leu Ala Ser Gly Met Lys Glu Val Thr Arg Thr Trp Lys Ile
 85 90 95
 Val Gly Gly Val Thr His Ala Asn Ser Tyr Tyr Lys Asn Gly Trp Ile
 100 105 110
 Val Met Ile Ala Ile Gly Trp Ala Arg Gly Ala Gly Gly Thr Ile Ile
 115 120 125
 Thr Asn Phe Glu Arg Leu Val Lys Gly Asp Trp Lys Pro Glu Gly Asp
 130 135 140
 Glu Trp Leu Lys Met Ser Tyr Pro Ala Lys Val Thr Leu Leu Gly Ser
 145 150 155 160
 Val Ile Phe Thr Phe Gln His Thr Gln His Leu Ala Ile Ser Lys His
 165 170 175

Asn Leu Met Phe Leu Tyr Thr Ile Phe Ile Val Ala Thr Lys Ile Thr
 180 185 190
 Met Met Thr Thr Gln Thr Ser Thr Met Thr Phe Ala Pro Phe Glu Asp
 195 200 205
 Thr Leu Ser Trp Met Leu Phe Gly Trp Gln Gln Pro Phe Ser Ser Cys
 210 215 220
 Glu Lys Lys Ser Glu Ala Lys Ser Pro Ser Asn Gly Val Gly Ser Leu
 225 230 235 240
 Ala Ser Lys Pro Val Asp Val Ala Ser Asp Asn Val Lys Lys Lys His
 245 250 255
 Thr Lys Lys Asn Glu
 260

<210> 1389
 <211> 72
 <212> PRT
 <213> Homo sapiens

<400> 1389
 Ile Val Asn Pro Met Phe Cys Asn Phe His Phe Arg Ser Leu Thr Tyr
 1 5 10 15
 Phe Phe Leu Ser His Lys Asn Thr Phe Val Leu Ile Val Gly Glu Ile
 20 25 30
 Phe Ser Ala Phe Cys Met Phe Phe Leu Ile Phe Val Gly Leu Asn Ile
 35 40 45
 Leu Val Val Ile Thr Val Ile Ile Gln Gln Lys Ala Tyr Pro Phe Lys
 50 55 60
 Asn Phe Ser Thr Met Ser Phe Phe
 65 70

<210> 1390
 <211> 261
 <212> PRT
 <213> Homo sapiens

<400> 1390
 Met Ala Val Lys Arg Gln Pro Gly Ala Ala Ala Leu Ala Trp Lys Asn
 1 5 10 15
 Pro Ile Ser Ser Trp Phe Thr Ala Met Leu His Cys Phe Gly Gly Gly
 20 25 30
 Ile Leu Ser Cys Leu Leu Leu Ala Glu Pro Pro Leu Lys Phe Leu Ala
 35 40 45

Asn His Thr Asn Ile Leu Leu Ala Ser Ser Ile Trp Tyr Ile Thr Phe
 50 55 60
 Phe Cys Pro His Asp Leu Val Ser Gln Gly Tyr Ser Tyr Leu Pro Val
 65 70 75 80
 Gln Leu Leu Ala Ser Gly Met Lys Glu Val Thr Arg Thr Trp Lys Ile
 85 90 95
 Val Gly Gly Val Thr His Ala Asn Ser Tyr Tyr Lys Asn Gly Trp Ile
 100 105 110
 Val Met Ile Ala Ile Gly Trp Ala Arg Gly Ala Gly Gly Thr Ile Ile
 115 120 125
 Thr Asn Phe Glu Arg Leu Val Lys Gly Asp Trp Lys Pro Glu Gly Asp
 130 135 140
 Glu Trp Leu Lys Met Ser Tyr Pro Ala Lys Val Thr Leu Leu Gly Ser
 145 150 155 160
 Val Ile Phe Thr Phe Gln His Thr Gln His Leu Ala Ile Ser Lys His
 165 170 175
 Asn Leu Met Phe Leu Tyr Thr Ile Phe Ile Val Ala Thr Lys Ile Thr
 180 185 190
 Met Met Thr Thr Gln Thr Ser Thr Met Thr Phe Ala Pro Phe Glu Asp
 195 200 205
 Thr Leu Ser Trp Met Leu Phe Gly Trp Gln Gln Pro Phe Ser Ser Cys
 210 215 220
 Glu Lys Lys Ser Glu Ala Lys Ser Pro Ser Asn Gly Val Gly Ser Leu
 225 230 235 240
 Ala Ser Lys Pro Val Asp Val Ala Ser Asp Asn Val Lys Lys Lys His
 245 250 255
 Thr Lys Lys Asn Glu
 260

<210> 1391
 <211> 98
 <212> PRT
 <213> Homo sapiens

<400> 1391
 Met His Leu His Val Ser Val Ser Leu Ile Trp Gly Leu Leu Ser Phe
 1 5 10 15
 Leu Ser Leu Gln Val Cys Val Phe Val Gly Ser Ser Gln Pro Leu Leu
 20 25 30

Leu Gln Cys Val Ser Gly Pro Ala Pro Phe Leu Leu Ser Leu Gly Val
 35 40 45
 Arg His Gln Pro Phe Trp Asp Cys Pro Thr Gly Pro Ser Arg Glu Glu
 50 55 60
 Thr Arg Leu Asn Pro Arg Ala Leu Thr Arg Pro Arg Gln Thr Cys Trp
 65 70 75 80
 Ser Phe Gly Trp Gln Val Ala Leu Arg Pro Ser Glu Lys Ser Pro Cys
 85 90 95
 Phe Ser

<210> 1392
 <211> 98
 <212> PRT
 <213> Homo sapiens

<400> 1392
 Met His Leu His Val Ser Val Ser Leu Ile Trp Gly Leu Leu Ser Phe
 1 5 10 15
 Leu Ser Leu Gln Val Cys Val Phe Val Gly Ser Ser Gln Pro Leu Leu
 20 25 30
 Leu Gln Cys Val Ser Gly Pro Ala Pro Phe Leu Leu Ser Leu Gly Val
 35 40 45
 Arg His Gln Pro Phe Trp Asp Cys Pro Thr Gly Pro Ser Arg Glu Glu
 50 55 60
 Thr Arg Leu Asn Pro Arg Ala Leu Thr Arg Pro Arg Gln Thr Cys Trp
 65 70 75 80
 Ser Phe Gly Trp Gln Val Ala Leu Arg Pro Ser Glu Lys Ser Pro Cys
 85 90 95
 Phe Ser

<210> 1393
 <211> 139
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (14)
 <223> Xaa equals any of the naturally occurring L-amino acids
 <220>

<221> SITE
<222> (116)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (139)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1393
Met Ala Leu Tyr Glu Leu Phe Ser His Pro Val Glu Arg Xaa Tyr Arg
1 5 10 15
Ala Gly Leu Cys Ser Lys Ala Ala Leu Phe Leu Leu Leu Ala Ala Ala
20 25 30
Leu Thr Tyr Ile Pro Pro Leu Leu Val Ala Phe Arg Ser His Gly Phe
35 40 45
Trp Leu Lys Arg Thr Ala Thr Arg Ser Ser Arg Pro Cys Ala Ser Asn
50 55 60
Thr Arg Cys Cys Ser Trp Pro Cys Ser Asp Pro Lys Ala Thr Gly Ser
65 70 75 80
Ser Pro Gly Ala Arg Ser Pro Pro Ser Thr Gly Cys Lys Gly Ile Ala
85 90 95
Cys Ala Ser Arg Ser Phe Arg Gly Gly Asp Asn Ala Cys Cys Val Lys
100 105 110
Gln Asp Ser Xaa Ser Leu Cys Ile Tyr Arg Ser Asp Val Asp Ser Ser
115 120 125
Gln Asn Ser Leu Val Thr Lys Gly Ala Gly Xaa
130 135

<210> 1394
<211> 316
<212> PRT
<213> Homo sapiens

<400> 1394
Met Ala Leu Tyr Glu Leu Phe Ser His Pro Val Glu Arg Ser Tyr Arg
1 5 10 15
Ala Gly Leu Cys Ser Lys Ala Ala Leu Phe Leu Leu Leu Ala Ala Ala
20 25 30
Leu Thr Tyr Ile Pro Pro Leu Leu Val Ala Phe Arg Ser His Gly Phe
35 40 45
Trp Leu Lys Arg Ser Ser Tyr Glu Glu Gln Pro Thr Val Arg Phe Gln
50 55 60

His	Gln	Val	Leu	Leu	Val	Ala	Leu	Leu	Gly	Pro	Glu	Ser	Asp	Gly	Phe	65	70	75	80
Leu	Ala	Trp	Ser	Thr	Phe	Pro	Ala	Phe	Asn	Arg	Leu	Gln	Gly	Asp	Arg	85	90	95	
Leu	Arg	Val	Pro	Leu	Val	Ser	Thr	Arg	Glu	Glu	Asp	Arg	Asn	Gln	Asp	100	105	110	
Gly	Lys	Thr	Asp	Met	Leu	His	Phe	Lys	Leu	Glu	Leu	Pro	Leu	Gln	Ser	115	120	125	
Thr	Glu	His	Val	Leu	Gly	Val	Gln	Leu	Ile	Leu	Thr	Phe	Ser	Tyr	Arg	130	135	140	
Leu	His	Arg	Met	Ala	Thr	Leu	Val	Met	Gln	Ser	Met	Ala	Phe	Leu	Gln	145	150	155	160
Ser	Ser	Phe	Pro	Val	Pro	Gly	Ser	Gln	Leu	Tyr	Val	Asn	Gly	Asp	Leu	165	170	175	
Arg	Leu	Gln	Gln	Lys	Gln	Pro	Leu	Ser	Cys	Gly	Gly	Leu	Asp	Ala	Arg	180	185	190	
Tyr	Asn	Ile	Ser	Val	Ile	Asn	Gly	Thr	Ser	Pro	Phe	Ala	Tyr	Asp	Tyr	195	200	205	
Asp	Leu	Thr	His	Ile	Val	Ala	Ala	Tyr	Gln	Glu	Arg	Asn	Val	Thr	Thr	210	215	220	
Val	Leu	Asn	Asp	Pro	Asn	Pro	Ile	Trp	Leu	Val	Gly	Arg	Ala	Ala	Asp	225	230	235	240
Ala	Pro	Phe	Val	Ile	Asn	Ala	Ile	Ile	Arg	Tyr	Pro	Val	Glu	Val	Ile	245	250	255	
Ser	Tyr	Gln	Pro	Gly	Phe	Trp	Glu	Met	Val	Lys	Phe	Ala	Trp	Val	Gln	260	265	270	
Tyr	Val	Ser	Ile	Leu	Leu	Ile	Phe	Leu	Trp	Val	Phe	Glu	Arg	Ile	Lys	275	280	285	
Ile	Phe	Val	Phe	Gln	Asn	Gln	Val	Val	Thr	Thr	Ile	Pro	Val	Thr	Val	290	295	300	
Thr	Pro	Arg	Gly	Asp	Leu	Cys	Lys	Glu	His	Leu	Ser					305	310	315	

<210> 1395
 <211> 103
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE

<222> (77)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1395

Met Ala Phe Leu Leu Glu Arg Ser Gly Thr Leu Leu Ile Cys Ser Met
1 5 10 15

Trp Trp His His Gly Tyr Ser Asn Ile Thr Gly Thr Glu Gly Glu Arg
20 25 30

Arg Asn Leu Lys Arg Asn Lys Thr Asn Phe Arg Arg Phe Gln Asp Gly
35 40 45

Arg Ile Gly Thr Ala Pro Val Tyr Ser Ser Gln Cys Glu Arg Cys Arg
50 55 60

Arg Trp Val Ile Ser Ala Phe Pro Thr Glu Gln Thr Xaa His Gln Lys
65 70 75 80

Ile Ile Ser His Ala Trp Leu Gly Gly Ser His Ala His Gly Ala Ser
85 90 95

Leu Ile Ala Ser Thr Ala Val
100

<210> 1396

<211> 103

<212> PRT

<213> Homo sapiens

<400> 1396

Met Ala Phe Leu Leu Glu Arg Ser Gly Thr Leu Leu Ile Cys Ser Met
1 5 10 15

Trp Trp His His Gly Tyr Ser Asn Ile Thr Gly Thr Glu Gly Glu Arg
20 25 30

Arg Asn Leu Lys Arg Asn Lys Thr Asn Phe Arg Arg Phe Gln Asp Gly
35 40 45

Arg Ile Gly Thr Ala Pro Val Tyr Ser Ser Gln Cys Glu Arg Cys Arg
50 55 60

Arg Trp Val Ile Ser Ala Phe Pro Thr Glu Gln Thr Ala His Gln Lys
65 70 75 80

Ile Ile Ser His Ala Trp Leu Gly Gly Ser His Ala His Gly Ala Ser
85 90 95

Leu Ile Ala Ser Thr Ala Val
100

<210> 1397

<211> 125
<212> PRT
<213> Homo sapiens

<400> 1397

Met	Cys	Val	Trp	Phe	Cys	Leu	Phe	Ala	Cys	Leu	Phe	Ala	Cys	Leu	Phe
1				5					10					15	
Phe	Glu	Thr	Glu	Ser	His	Ser	Val	Ala	Gln	Ala	Gly	Val	Gln	Trp	Leu
			20					25					30		
Asp	Leu	Ser	Ser	Leu	Gln	Gln	Pro	Pro	Pro	Pro	Gly	Phe	Lys	Cys	Phe
		35					40					45			
Ser	Cys	Leu	Cys	Leu	Leu	Ser	Ser	Trp	Asp	Tyr	Arg	Arg	Ala	Cys	His
	50					55					60				
His	Thr	Arg	Ile	Ile	Phe	Val	Phe	Leu	Val	Glu	Met	Gly	Phe	His	His
65					70					75					80
Val	Asp	Gln	Ala	Asp	Leu	Glu	Leu	Leu	Thr	Ser	Ser	Asp	Pro	Pro	Ala
				85					90						95
Leu	Ala	Ser	Arg	Ser	Ala	Gly	Ile	Thr	Gly	Val	Ser	His	His	Thr	Pro
		100					105						110		
Pro	Ala	Cys	Leu	Val	Phe	Lys	Phe	Leu	Phe	Leu	Gly	Ser			
		115					120					125			

<210> 1398
<211> 112
<212> PRT
<213> Homo sapiens

<220>

<221> SITE

<222> (91)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (106)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1398

Ala	Pro	Val	Leu	Leu	Leu	Pro	Ser	Ser	Cys	Trp	Gln	Phe	Trp	Val	Leu
1				5					10					15	
Gly	Phe	Phe	Phe	Phe	Arg	Gln	Ser	Leu	Thr	Pro	Ser	Pro	Gly	Trp	Lys
			20					25					30		
Tyr	Ser	Gly	Ala	Val	Ser	Ala	His	Cys	Ser	Leu	Arg	Leu	Pro	Gly	Ser
		35					40					45			
Asn	Asp	Pro	Leu	Ala	Ser	Ala	Ser	Gln	Leu	Ala	Gly	Thr	Thr	Gly	Ala

50		55		60
His His His Gly Gln Leu Ile Phe Val Phe Leu Val Glu Met Gly Phe				
65		70		80
His His Ile Ala Gln Ala Gly Leu Lys Leu Xaa Thr Ser Ser Asp Leu				
	85		90	95
Leu Thr Ser Ala Phe Gln Ser Ala Gly Xaa Ile Tyr Ile Leu Asn Lys				
	100		105	110

<210> 1399
 <211> 125
 <212> PRT
 <213> Homo sapiens

<400> 1399
Met Cys Val Trp Phe Cys Leu Phe Ala Cys Leu Phe Ala Cys Leu Phe
1 5 10 15
Phe Glu Thr Glu Ser His Ser Val Ala Gln Ala Gly Val Gln Trp Leu
20 25 30
Asp Leu Ser Ser Leu Gln Gln Pro Pro Pro Gly Phe Lys Cys Phe
35 40 45
Ser Cys Leu Cys Leu Leu Ser Ser Trp Asp Tyr Arg Arg Ala Cys His
50 55 60
His Thr Arg Ile Ile Phe Val Phe Leu Val Glu Met Gly Phe His His
65 70 75 80
Val Asp Gln Ala Asp Leu Glu Leu Leu Thr Ser Ser Asp Pro Pro Ala
85 90 95
Leu Ala Ser Arg Ser Ala Gly Ile Thr Gly Val Ser His His Thr Pro
100 105 110
Pro Ala Cys Leu Phe Phe Lys Phe Leu Phe Leu Gly Ser
115 120 125

<210> 1400
 <211> 79
 <212> PRT
 <213> Homo sapiens

<400> 1400
Met Glu Leu Gly Cys Trp Thr His Trp Gly Ser Leu Phe Phe Ser Ser
1 5 10 15

Phe	Ser	Ser	Arg	Pro	Cys	Gln	Glu	Ser	Thr	Gln	Ser	Leu	Met	Lys	Pro
			20					25					30		
Ala	Leu	Glu	Gln	Ser	Gly	Ile	Ser	Cys	Val	Gly	Ser	Ala	Val	Asn	Met
		35					40					45			
Ile	Arg	Leu	Ser	Ala	Ser	Ala	Pro	Glu	Arg	Gly	Lys	Ser	Trp	Val	Ile
	50					55					60				
Pro	Ser	Leu	Ala	Ala	Gly	Met	Arg	Arg	Met	Ser	Val	Thr	Pro	Ala	
	65					70				75					

<210> 1401
 <211> 455
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (17)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (103)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (178)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1401															
Xaa	Thr	Gly	Gln	Arg	Cys	Glu	Asn	Leu	Leu	Glu	Glu	Arg	Asn	Cys	Ser
	1				5					10				15	
Xaa	Pro	Gly	Gly	Pro	Val	Asn	Gly	Tyr	Gln	Lys	Ile	Thr	Gly	Gly	Pro
			20					25					30		
Gly	Leu	Ile	Asn	Gly	Arg	His	Ala	Lys	Ile	Gly	Thr	Val	Val	Ser	Phe
		35					40					45			
Phe	Cys	Asn	Asn	Ser	Tyr	Val	Leu	Ser	Gly	Asn	Glu	Lys	Arg	Thr	Cys
	50						55				60				
Gln	Gln	Asn	Gly	Glu	Trp	Ser	Gly	Lys	Gln	Pro	Ile	Cys	Ile	Lys	Ala
	65					70				75				80	
Cys	Arg	Glu	Pro	Lys	Ile	Ser	Asp	Leu	Val	Arg	Arg	Arg	Val	Leu	Pro
				85					90					95	

Met	Gln	Val	Gln	Ser	Arg	Xaa	Thr	Pro	Leu	His	Gln	Leu	Tyr	Ser	Ala
			100				105						110		
Ala	Phe	Ser	Lys	Gln	Lys	Leu	Gln	Ser	Ala	Pro	Thr	Lys	Lys	Pro	Ala
			115				120				125				
Leu	Pro	Phe	Gly	Asp	Leu	Pro	Met	Gly	Tyr	Gln	His	Leu	His	Thr	Gln
			130				135				140				
Leu	Gln	Tyr	Glu	Cys	Ile	Ser	Pro	Phe	Tyr	Arg	Arg	Leu	Gly	Ser	Ser
			145				150				155			160	
Arg	Arg	Thr	Cys	Leu	Arg	Thr	Gly	Lys	Trp	Ser	Gly	Arg	Ala	Pro	Ser
			165				170						175		
Cys	Xaa	Pro	Ile	Cys	Gly	Lys	Ile	Glu	Asn	Ile	Thr	Ala	Pro	Lys	Thr
			180				185						190		
Gln	Gly	Leu	Arg	Trp	Pro	Trp	Gln	Ala	Ala	Ile	Tyr	Arg	Arg	Thr	Ser
			195				200				205				
Gly	Val	His	Asp	Gly	Ser	Leu	His	Lys	Gly	Ala	Trp	Phe	Leu	Val	Cys
			210				215				220				
Ser	Gly	Ala	Leu	Val	Asn	Glu	Arg	Thr	Val	Val	Val	Ala	Ala	His	Cys
			225				230				235			240	
Val	Thr	Asp	Leu	Gly	Lys	Val	Thr	Met	Ile	Lys	Thr	Ala	Asp	Leu	Lys
			245				250						255		
Val	Val	Leu	Gly	Lys	Phe	Tyr	Arg	Asp	Asp	Asp	Arg	Asp	Glu	Lys	Thr
			260				265						270		
Ile	Gln	Ser	Leu	Gln	Ile	Ser	Ala	Ile	Ile	Leu	His	Pro	Asn	Tyr	Asp
			275				280						285		
Pro	Ile	Leu	Leu	Asp	Ala	Asp	Ile	Ala	Ile	Leu	Lys	Leu	Leu	Asp	Lys
			290				295						300		
Ala	Arg	Ile	Ser	Thr	Arg	Val	Gln	Pro	Ile	Cys	Leu	Ala	Ala	Ser	Arg
			305				310						320		
Asp	Leu	Ser	Thr	Ser	Phe	Gln	Glu	Ser	His	Ile	Thr	Val	Ala	Gly	Trp
			325				330						335		
Asn	Val	Leu	Ala	Asp	Val	Arg	Ser	Pro	Gly	Phe	Lys	Asn	Asp	Thr	Leu
			340				345						350		
Arg	Ser	Gly	Val	Val	Ser	Val	Val	Asp	Ser	Leu	Leu	Cys	Glu	Glu	Gln
			355				360						365		
His	Glu	Asp	His	Gly	Ile	Pro	Val	Ser	Val	Thr	Asp	Asn	Met	Phe	Cys
			370				375						380		
Ala	Ser	Trp	Glu	Pro	Thr	Ala	Pro	Ser	Asp	Ile	Cys	Thr	Ala	Glu	Thr
			385				390						395		
												400			

Cys Ala Glu Cys Arg Ala Gly Trp Tyr Gly Gly Asp Cys Met Arg Cys
 115 120 125
 Gly Gln Val Leu Arg Ala Pro Lys Gly Gln Ile Leu Leu Glu Ser Tyr
 130 135 140
 Pro Leu Asn Ala His Cys Glu Trp Thr Ile His Ala Lys Pro Gly Phe
 145 150 155 160
 Val Ile Gln Leu Arg Phe Val Met Leu Ser Leu Glu Phe Asp Tyr Met
 165 170 175
 Cys Gln Tyr Asp Tyr Val Glu Val Arg Asp Gly Asp Asn Arg Asp Gly
 180 185 190
 Gln Ile Ile Lys Arg Val Cys Gly Asn Glu Arg Pro Ala Pro Ile Gln
 195 200 205
 Ser Ile Gly Ser Ser Leu His Val Leu Phe His Ser Asp Gly Ser Lys
 210 215 220
 Asn Phe Asp Gly Phe His Ala Ile Tyr Glu Glu Ile Thr Ala Cys Ser
 225 230 235 240
 Ser Ser Pro Cys Phe His Asp Gly Thr Cys Val Leu Asp Lys Ala Gly
 245 250 255
 Ser Tyr Lys Cys Ala Cys Leu Ala Gly Tyr Thr Gly Gln Arg Cys Glu
 260 265 270
 Asn Leu Leu Glu Ala Gly Lys Ser Lys Ile Xaa Ala Ser Glu Asp Ser
 275 280 285
 Leu Ser Val Leu Glu Glu Arg Xaa Cys Xaa Asp Pro Gly Gly Pro Val
 290 295 300
 Asn Gly Tyr Gln Lys Ile Thr Gly Gly Pro Gly Leu Ile Asn Gly Arg
 305 310 315 320
 His Ala Lys

<210> 1403
 <211> 80
 <212> PRT
 <213> Homo sapiens

<400> 1403
 Met Ala Arg Ser Trp Leu Thr Ala Thr Ser Ala Ser Arg Val Gln Ala
 1 5 10 15
 Ile Leu Leu Leu Gly Leu Gln His Met Pro Pro Cys Pro Asp Tyr Phe
 20 25 30
 Phe Val Phe Val Val Glu Thr Gly Phe His His Val Ser Gln Ala Gly

35	40	45
Leu Glu Leu Leu Thr Ser Gly Asp Pro Pro Ala Ser Ala Ser His Thr		
50	55	60
Ala Gly Ile Thr Gly Met Ser His Arg Ser Trp Pro Leu Phe Leu Phe		
65	70	75 80

<210> 1404
 <211> 121
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (114)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1404
Lys Leu Arg Leu Arg Glu Val Lys Ser Ile Ala Gln Gly His Val Ala
1 5 10 15
Arg Ile Trp Gln Ser His Asp Ser Asp Pro Gly Leu Leu Ile Leu Ile
20 25 30
Pro Val Ser Phe Leu Ala Tyr His Val Ala Ser Lys Asp Cys Ser Ser
35 40 45
Leu Phe Thr Arg Lys Leu Phe Leu Pro Asn Leu His Leu His Leu Thr
50 55 60
Pro Ser Phe Leu Lys His Tyr Val Cys Val Phe Ile Ser Ile Ile Phe
65 70 75 80
Ile Val Phe Gly Ile His Val Leu Val Cys Val Trp Lys Lys Asn Leu
85 90 95
Phe Tyr Gln Leu Ala Leu Gly Pro Thr Trp Lys Lys Lys Ser Leu Asn
100 105 110
Val Xaa Ala Met Tyr Ser Leu Lys Met
115 120

<210> 1405
 <211> 80
 <212> PRT
 <213> Homo sapiens

<400> 1405
 Met Ala Arg Ser Trp Leu Thr Ala Thr Ser Ala Ser Arg Val Gln Ala

1	5	10	15												
Ile	Leu	Leu	Gly	Leu	Gln	His	Met	Pro	Pro	Cys	Pro	Asp	Tyr	Phe	
	20				25							30			
Phe	Val	Phe	Val	Val	Glu	Thr	Gly	Phe	His	His	Val	Ser	Gln	Ala	Gly
	35					40						45			
Leu	Glu	Leu	Leu	Thr	Ser	Gly	Asp	Pro	Pro	Ala	Ser	Ala	Ser	His	Thr
	50					55						60			
Ala	Gly	Ile	Thr	Gly	Met	Ser	His	Arg	Ser	Trp	Pro	Leu	Phe	Leu	Phe
65					70					75					80

<210> 1406
 <211> 83
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (82)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1406
Ile Trp Met His Phe Ile Ser Phe Leu Tyr Pro Ile Ala Leu Ala Thr
1 5 10 15
Thr Ser Ser Thr Val Leu Asn Arg Ser Gly Glu Cys Gly His Pro Cys
20 25 30
Leu Val Pro Val Leu Arg Glu Asn Ala Phe Ser Leu Ser Pro Phe Gly
35 40 45
Met Met Phe Ala Val Gly Leu Ser Tyr Met Ala Phe Phe Thr Leu Arg
50 55 60
Tyr Val Pro Ser Val Pro Ile Leu Leu Arg Val Phe Ile Ile Gln Glu
65 70 75 80
Cys Xaa Phe

<210> 1407
 <211> 94
 <212> PRT
 <213> Homo sapiens

<400> 1407
 Met His Phe Ile Ser Phe Leu Tyr Pro Ile Ala Leu Ala Thr Thr Ser

1	5	10	15
Ser Thr Val Leu Asn Arg Ser Gly Glu Cys Gly His Pro Cys Leu Val			
20	25	30	
Pro Val Leu Arg Glu Asn Ala Phe Ser Leu Ser Pro Phe Gly Met Met			
35	40	45	
Phe Ala Val Gly Leu Ser Tyr Met Ala Phe Phe Thr Leu Arg Tyr Val			
50	55	60	
Pro Ser Val Pro Ile Leu Leu Arg Val Phe Ile Ile Gln Glu Cys Trp			
65	70	75	80
Ile Leu Ser Asn Ala Phe Ser Ala Ser Gly Glu Met Ile Ile			
85	90		

<210> 1408
 <211> 94
 <212> PRT
 <213> Homo sapiens

<400> 1408
Met His Phe Ile Ser Phe Leu Tyr Pro Ile Ala Leu Ala Thr Thr Ser
1 5 10 15
Ser Thr Val Leu Asn Arg Ser Gly Glu Cys Gly His Pro Cys Leu Val
20 25 30
Pro Val Leu Arg Glu Asn Ala Phe Ser Leu Ser Pro Phe Gly Met Met
35 40 45
Phe Ala Val Gly Leu Ser Tyr Met Ala Phe Phe Thr Leu Arg Tyr Val
50 55 60
Pro Ser Val Pro Ile Leu Leu Arg Val Phe Ile Ile Gln Glu Cys Trp
65 70 75 80
Ile Leu Ser Asn Ala Phe Ser Ala Ser Gly Glu Met Ile Ile
85 90

<210> 1409
 <211> 95
 <212> PRT
 <213> Homo sapiens

<400> 1409
Met Ile Leu Ile Arg Lys Leu Phe Leu Arg Arg Cys His Trp Gly Gly
1 5 10 15
Trp Leu Leu Pro Pro Ala Arg Ala Ser Cys Ser Gly Lys His Ser Leu
20 25 30

Ser His Ser Cys Arg Gly Pro Arg Val Gln Arg Pro Pro His Pro Arg
 35 40 45
 Phe Trp Ala Gly Thr Leu Ala Pro Gly Pro Cys Pro Gly Leu Trp Cys
 50 55 60
 Leu Pro Gly Leu Val Gln Val Asp Val Leu Ala Ala Gly Arg Cys Asp
 65 70 75 80
 His Leu Ser Cys Leu Pro Pro Leu Cys Pro Gln Ala Phe Leu Leu
 85 90 95

<210> 1410
 <211> 92
 <212> PRT
 <213> Homo sapiens

<400> 1410
 Met Pro Gly Cys Val Phe Cys Phe Leu Thr Leu Leu Phe His Ser Leu
 1 5 10 15
 Ser Val Gly Gln Tyr Cys Cys Leu Ile Cys Val Cys Phe Val Leu Tyr
 20 25 30
 Val Tyr Thr Gln Ile His Thr Arg Ile His Ile His Thr His Lys His
 35 40 45
 Phe Phe Phe Pro Trp Arg Gln Gly Ile Ala Leu Ser Pro Arg Leu Glu
 50 55 60
 Tyr Ser Ser Ala Ile Met Thr His Arg Leu Ile Ala Ala Leu Ala Ser
 65 70 75 80
 Gln Ala Gln Ala Ile Leu Pro Pro Gln Pro Ser Glu
 85 90

<210> 1411
 <211> 225
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (66)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (101)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1411
 Met Ile His Val Arg His Cys Thr Pro Ile Pro Ala Leu Leu Val Cys

1	5	10	15
Cys Gly Ala Thr Ala Val Ile Met Leu Val Gly Asp Thr Tyr Thr Leu	20	25	30
Ile Asn Tyr Val Ser Phe Ile Asn Tyr Leu Cys Tyr Gly Val Thr Ile	35	40	45
Leu Gly Leu Leu Leu Leu Arg Trp Arg Arg Pro Ala Leu His Arg Pro	50	55	60
Ile Xaa Val Asn Leu Leu Ile Pro Val Ala Tyr Leu Val Phe Trp Ala	65	70	75
Phe Leu Leu Val Phe Ser Phe Ile Ser Glu Pro Met Val Cys Gly Val	85	90	95
Gly Val Ile Ile Xaa Leu Thr Gly Val Pro Ile Phe Phe Leu Gly Val	100	105	110
Phe Trp Arg Ser Lys Pro Lys Cys Val His Arg Leu Thr Glu Ser Met	115	120	125
Thr His Trp Gly Gln Glu Leu Cys Phe Val Val Tyr Pro Gln Asp Ala	130	135	140
Pro Glu Glu Glu Glu Asn Ala Pro Ala His Pro Pro Cys Cys Leu Pro	145	150	155
Gln Thr Ser Pro Arg Ser His Asn Glu Ile Phe Val Glu Thr Glu Ala	165	170	175
Val Val Ser Val Tyr Met Leu Phe Ile Glu Glu Val Phe Trp Gln Lys	180	185	190
Ser Phe Val Leu Phe Phe Ser Gly Lys Lys Arg Lys Lys Ile Arg Leu	195	200	205
Ser Glu Ala Cys Phe Lys Glu Ala Leu Lys Cys Gly Leu Gly Phe Leu	210	215	220
Ser			
225			

<210> 1412
 <211> 172
 <212> PRT
 <213> Homo sapiens

<400> 1412
Met Ile His Val Arg His Cys Thr Pro Ile Pro Ala Leu Leu Val Cys
1 5 10 15
Cys Gly Ala Thr Ala Val Ile Met Leu Val Gly Asp Thr Tyr Thr Leu
20 25 30

Ile	Asn	Tyr	Val	Ser	Phe	Ile	Asn	Tyr	Leu	Cys	Tyr	Gly	Val	Thr	Ile			
	35						40					45						
Leu	Gly	Leu	Leu	Leu	Leu	Arg	Trp	Arg	Arg	Pro	Ala	Leu	His	Arg	Pro			
	50					55				60								
Ile	Lys	Val	Asn	Leu	Leu	Ile	Pro	Val	Ala	Tyr	Leu	Val	Phe	Trp	Ala			
	65			70					75						80			
Phe	Leu	Leu	Val	Phe	Ser	Phe	Ile	Ser	Glu	Pro	Met	Val	Cys	Gly	Val			
			85					90					95					
Gly	Val	Ile	Ile	Ile	Leu	Thr	Gly	Val	Pro	Ile	Phe	Phe	Leu	Gly	Val			
		100					105						110					
Phe	Trp	Arg	Ser	Lys	Pro	Lys	Cys	Val	His	Arg	Leu	Thr	Glu	Ser	Met			
	115					120					125							
Thr	His	Trp	Gly	Gln	Glu	Leu	Cys	Phe	Val	Val	Tyr	Pro	Gln	Asp	Ala			
	130					135					140							
Pro	Glu	Glu	Glu	Glu	Glu	Trp	Pro	Leu	Pro	Thr	Leu	Pro	Ala	Ala	Cys			
	145				150					155					160			
His	Arg	Gln	Ala	Leu	Glu	Ala	Thr	Met	Arg	Phe	Leu							
		165						170										

<210> 1413
 <211> 225
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (66)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (101)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1413

Met	Ile	His	Val	Arg	His	Cys	Thr	Pro	Ile	Pro	Ala	Leu	Leu	Val	Cys			
	1				5				10					15				
Cys	Gly	Ala	Thr	Ala	Val	Ile	Met	Leu	Val	Gly	Asp	Thr	Tyr	Thr	Leu			
		20						25					30					
Ile	Asn	Tyr	Val	Ser	Phe	Ile	Asn	Tyr	Leu	Cys	Tyr	Gly	Val	Thr	Ile			
	35						40					45						
Leu	Gly	Leu	Leu	Leu	Leu	Arg	Trp	Arg	Arg	Pro	Ala	Leu	His	Arg	Pro			
	50					55						60						

Ile Xaa Val Asn Leu Leu Ile Pro Val Ala Tyr Leu Val Phe Trp Ala
 65 70 75 80
 Phe Leu Leu Val Phe Ser Phe Ile Ser Glu Pro Met Val Cys Gly Val
 85 90 95
 Gly Val Ile Ile Xaa Leu Thr Gly Val Pro Ile Phe Phe Leu Gly Val
 100 105 110
 Phe Trp Arg Ser Lys Pro Lys Cys Val His Arg Leu Thr Glu Ser Met
 115 120 125
 Thr His Trp Gly Gln Glu Leu Cys Phe Val Val Tyr Pro Gln Asp Ala
 130 135 140
 Pro Glu Glu Glu Glu Asn Ala Pro Ala His Pro Pro Cys Cys Leu Pro
 145 150 155 160
 Gln Thr Ser Pro Arg Ser His Asn Glu Ile Phe Val Glu Thr Glu Ala
 165 170 175
 Val Val Ser Val Tyr Met Leu Phe Ile Glu Glu Val Phe Trp Gln Lys
 180 185 190
 Ser Phe Val Leu Phe Phe Ser Gly Lys Lys Arg Lys Lys Ile Arg Leu
 195 200 205
 Ser Glu Ala Cys Phe Lys Glu Ala Leu Lys Cys Gly Leu Gly Phe Leu
 210 215 220
 Ser
 225

<210> 1414
 <211> 67
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (12)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1414
 Lys Asp Lys Cys Ile Leu Leu Lys Arg Gln Ser Xaa Thr His Glu Glu
 1 5 10 15
 Gln Cys Lys Leu Lys Pro Asn Gln Arg Leu Gly Val Ala Ala Met Pro
 20 25 30
 Val Ile Pro Ala Leu Trp Glu Ala Glu Val Gly Arg Leu Leu Glu Ile
 35 40 45
 Arg Ser Leu Ser Leu Gly Asn Ile Val Lys Pro Cys Leu Tyr Lys Lys

50

55

60

Tyr Lys Asn
65

<210> 1415
<211> 587
<212> PRT
<213> Homo sapiens

<400> 1415
Met Arg Pro Arg Gly Leu Pro Pro Leu Leu Val Val Leu Leu Gly Cys
1 5 10 15
Trp Ala Ser Val Ser Ala Gln Thr Asp Ala Thr Pro Ala Val Thr Thr
20 25 30
Glu Gly Leu Asn Ser Thr Glu Ala Ala Leu Ala Thr Phe Gly Thr Phe
35 40 45
Pro Ser Thr Arg Pro Pro Gly Thr Pro Arg Ala Pro Gly Pro Ser Ser
50 55 60
Gly Pro Arg Pro Thr Pro Val Thr Asp Val Ala Val Leu Cys Val Cys
65 70 75 80
Asp Leu Ser Pro Ala Gln Cys Asp Ile Asn Cys Cys Cys Asp Pro Asp
85 90 95
Cys Ser Ser Val Asp Phe Ser Val Phe Ser Ala Cys Ser Val Pro Val
100 105 110
Val Thr Gly Asp Ser Gln Phe Cys Ser Gln Lys Ala Val Ile Tyr Ser
115 120 125
Leu Asn Phe Thr Ala Asn Pro Pro Gln Arg Val Phe Glu Leu Val Asp
130 135 140
Gln Ile Asn Pro Ser Ile Phe Cys Ile His Ile Thr Asn Tyr Lys Pro
145 150 155 160
Ala Leu Ser Phe Ile Asn Pro Glu Val Pro Asp Glu Asn Asn Phe Asp
165 170 175
Thr Leu Met Lys Thr Ser Asp Gly Phe Thr Leu Asn Ala Glu Ser Tyr
180 185 190
Val Ser Phe Thr Thr Lys Leu Asp Ile Pro Thr Ala Ala Lys Tyr Glu
195 200 205
Tyr Gly Val Pro Leu Gln Thr Ser Asp Ser Phe Leu Arg Phe Pro Ser
210 215 220
Ser Leu Thr Ser Ser Leu Cys Thr Asp Asn Asn Pro Ala Ala Phe Leu
225 230 235 240

Val	Asn	Gln	Ala	Val	Lys	Cys	Thr	Arg	Lys	Ile	Asn	Leu	Glu	Gln	Cys	
				245					250					255		
Glu	Glu	Ile	Glu	Ala	Leu	Ser	Met	Ala	Phe	Tyr	Ser	Ser	Pro	Glu	Ile	
			260					265					270			
Leu	Arg	Val	Pro	Asp	Ser	Arg	Lys	Lys	Val	Pro	Ile	Thr	Val	Gln	Ser	
		275					280					285				
Ile	Val	Ile	Gln	Ser	Leu	Asn	Lys	Thr	Leu	Thr	Arg	Arg	Glu	Asp	Thr	
	290					295					300					
Asp	Val	Leu	Gln	Pro	Thr	Leu	Val	Asn	Ala	Gly	His	Phe	Ser	Leu	Cys	
305					310					315					320	
Val	Asn	Val	Val	Leu	Glu	Val	Lys	Tyr	Ser	Leu	Thr	Tyr	Thr	Asp	Ala	
				325					330					335		
Gly	Glu	Val	Thr	Lys	Ala	Asp	Leu	Ser	Phe	Val	Leu	Gly	Thr	Val	Ser	
			340					345					350			
Ser	Val	Val	Val	Pro	Leu	Gln	Gln	Lys	Phe	Glu	Ile	His	Phe	Leu	Gln	
		355					360					365				
Glu	Asn	Thr	Gln	Pro	Val	Pro	Leu	Ser	Gly	Asn	Pro	Gly	Tyr	Val	Val	
	370					375					380					
Gly	Leu	Pro	Leu	Ala	Ala	Gly	Phe	Gln	Pro	His	Lys	Gly	Ser	Gly	Ile	
385					390					395					400	
Ile	Gln	Thr	Thr	Asn	Arg	Tyr	Gly	Gln	Leu	Thr	Ile	Leu	His	Ser	Thr	
				405					410					415		
Thr	Glu	Gln	Asp	Cys	Leu	Ala	Leu	Glu	Gly	Val	Arg	Thr	Pro	Val	Leu	
			420					425					430			
Phe	Gly	Tyr	Thr	Met	Gln	Ser	Gly	Cys	Lys	Leu	Arg	Leu	Thr	Gly	Ala	
		435					440					445				
Leu	Pro	Cys	Gln	Leu	Val	Ala	Gln	Lys	Val	Lys	Ser	Leu	Leu	Trp	Gly	
	450					455					460					
Gln	Gly	Phe	Pro	Asp	Tyr	Val	Ala	Pro	Phe	Gly	Asn	Ser	Gln	Ala	Gln	
465					470					475					480	
Asp	Met	Leu	Asp	Trp	Val	Pro	Ile	His	Phe	Ile	Thr	Gln	Ser	Phe	Asn	
				485					490					495		
Arg	Lys	Asp	Ser	Cys	Gln	Leu	Pro	Gly	Ala	Leu	Val	Ile	Glu	Val	Lys	
			500					505					510			
Trp	Thr	Lys	Tyr	Gly	Ser	Leu	Leu	Asn	Pro	Gln	Ala	Lys	Ile	Val	Asn	
		515					520					525				
Val	Thr	Ala	Asn	Leu	Ile	Ser	Ser	Ser	Phe	Pro	Glu	Ala	Asn	Ser	Gly	
	530					535					540					

Asn Glu Arg Thr Ile Leu Ile Ser Thr Ala Val Thr Phe Val Asp Val
545 550 555 560

Ser Ala Pro Ala Glu Ala Gly Phe Arg Ala Pro Pro Ala Ile Asn Ala
565 570 575

Arg Leu Pro Phe Asn Phe Phe Phe Pro Phe Val
580 585

<210> 1416
<211> 157
<212> PRT
<213> Homo sapiens

<400> 1416
Met Arg Pro Arg Gly Leu Pro Pro Leu Leu Val Val Leu Leu Gly Cys
1 5 10 15

Trp Ala Ser Val Ser Ala Gln Thr Asp Ala Thr Pro Ala Val Thr Thr
20 25 30

Glu Gly Leu Asn Ser Thr Glu Ala Ala Leu Ala Thr Phe Gly Thr Phe
35 40 45

Pro Ser Thr Arg Pro Pro Gly Thr Pro Arg Ala Pro Gly Pro Ser Ser
50 55 60

Gly Pro Arg Pro Thr Pro Val Thr Asp Val Ala Val Leu Cys Val Cys
65 70 75 80

Asp Leu Ser Pro Ala Gln Cys Asp Ile Asn Cys Cys Cys Asp Pro Asp
85 90 95

Cys Ser Ser Val Asp Phe Ser Val Phe Ser Ala Cys Ser Val Pro Val
100 105 110

Val Thr Gly Asp Ser Gln Phe Cys Ser Gln Lys Ala Val Ile Tyr Ser
115 120 125

Leu Asn Phe Thr Ala Asn Pro Pro Gln Arg Val Phe Glu Leu Val Asp
130 135 140

Gln Ile Asn Pro Ser Ile Phe Cys Ile His Ile Thr Asn
145 150 155

<210> 1417
<211> 587
<212> PRT
<213> Homo sapiens

<400> 1417
Met Arg Pro Arg Gly Leu Pro Pro Leu Leu Val Val Leu Leu Gly Cys

1	5	10	15												
Trp	Ala	Ser	Val	Ser	Ala	Gln	Thr	Asp	Ala	Thr	Pro	Ala	Val	Thr	Thr
	20							25					30		
Glu	Gly	Leu	Asn	Ser	Thr	Glu	Ala	Ala	Leu	Ala	Thr	Phe	Gly	Thr	Phe
	35						40					45			
Pro	Ser	Thr	Arg	Pro	Pro	Gly	Thr	Pro	Arg	Ala	Pro	Gly	Pro	Ser	Ser
	50					55					60				
Gly	Pro	Arg	Pro	Thr	Pro	Val	Thr	Asp	Val	Ala	Val	Leu	Cys	Val	Cys
65					70					75					80
Asp	Leu	Ser	Pro	Ala	Gln	Cys	Asp	Ile	Asn	Cys	Cys	Cys	Asp	Pro	Asp
				85					90					95	
Cys	Ser	Ser	Val	Asp	Phe	Ser	Val	Phe	Ser	Ala	Cys	Ser	Val	Pro	Val
			100					105					110		
Val	Thr	Gly	Asp	Ser	Gln	Phe	Cys	Ser	Gln	Lys	Ala	Val	Ile	Tyr	Ser
		115					120					125			
Leu	Asn	Phe	Thr	Ala	Asn	Pro	Pro	Gln	Arg	Val	Phe	Glu	Leu	Val	Asp
	130					135					140				
Gln	Ile	Asn	Pro	Ser	Ile	Phe	Cys	Ile	His	Ile	Thr	Asn	Tyr	Lys	Pro
145					150					155					160
Ala	Leu	Ser	Phe	Ile	Asn	Pro	Glu	Val	Pro	Asp	Glu	Asn	Asn	Phe	Asp
				165					170					175	
Thr	Leu	Met	Lys	Thr	Ser	Asp	Gly	Phe	Thr	Leu	Asn	Ala	Glu	Ser	Tyr
			180					185					190		
Val	Ser	Phe	Thr	Thr	Lys	Leu	Asp	Ile	Pro	Thr	Ala	Ala	Lys	Tyr	Glu
		195					200					205			
Tyr	Gly	Val	Pro	Leu	Gln	Thr	Ser	Asp	Ser	Phe	Leu	Arg	Phe	Pro	Ser
	210					215					220				
Ser	Leu	Thr	Ser	Ser	Leu	Cys	Thr	Asp	Asn	Asn	Pro	Ala	Ala	Phe	Leu
225					230					235					240
Val	Asn	Gln	Ala	Val	Lys	Cys	Thr	Arg	Lys	Ile	Asn	Leu	Glu	Gln	Cys
				245					250					255	
Glu	Glu	Ile	Glu	Ala	Leu	Ser	Met	Ala	Phe	Tyr	Ser	Ser	Pro	Glu	Ile
		260						265					270		
Leu	Arg	Val	Pro	Asp	Ser	Arg	Lys	Lys	Val	Pro	Ile	Thr	Val	Gln	Ser
		275					280					285			
Ile	Val	Ile	Gln	Ser	Leu	Asn	Lys	Thr	Leu	Thr	Arg	Arg	Glu	Asp	Thr
	290					295					300				
Asp	Val	Leu	Gln	Pro	Thr	Leu	Val	Asn	Ala	Gly	His	Phe	Ser	Leu	Cys

305		310		315		320
Val Asn Val Val	Leu Glu Val Lys Tyr Ser Leu Thr Tyr Thr	Asp Ala				
	325		330		335	
Gly Glu Val Thr	Lys Ala Asp Leu Ser Phe Val Leu Gly Thr	Val Ser				
	340		345		350	
Ser Val Val Val	Pro Leu Gln Gln Lys Phe Glu Ile His Phe Leu Gln					
	355		360		365	
Glu Asn Thr Gln	Pro Val Pro Leu Ser Gly Asn Pro Gly Tyr Val Val					
	370		375		380	
Gly Leu Pro Leu	Ala Ala Gly Phe Gln Pro His Lys Gly Ser Gly Ile					
385		390		395		400
Ile Gln Thr Thr	Asn Arg Tyr Gly Gln Leu Thr Ile Leu His Ser Thr					
	405		410		415	
Thr Glu Gln Asp	Cys Leu Ala Leu Glu Gly Val Arg Thr Pro Val Leu					
	420		425		430	
Phe Gly Tyr Thr	Met Gln Ser Gly Cys Lys Leu Arg Leu Thr Gly Ala					
	435		440		445	
Leu Pro Cys Gln	Leu Val Ala Gln Lys Val Lys Ser Leu Leu Trp Gly					
	450		455		460	
Gln Gly Phe Pro	Asp Tyr Val Ala Pro Phe Gly Asn Ser Gln Ala Gln					
465		470		475		480
Asp Met Leu Asp	Trp Val Pro Ile His Phe Ile Thr Gln Ser Phe Asn					
	485		490		495	
Arg Lys Asp Ser	Cys Gln Leu Pro Gly Ala Leu Val Ile Glu Val Lys					
	500		505		510	
Trp Thr Lys Tyr	Gly Ser Leu Leu Asn Pro Gln Ala Lys Ile Val Asn					
	515		520		525	
Val Thr Ala Asn	Leu Ile Ser Ser Ser Phe Pro Glu Ala Asn Ser Gly					
	530		535		540	
Asn Glu Arg Thr	Ile Leu Ile Ser Thr Ala Val Thr Phe Val Asp Val					
545		550		555		560
Ser Ala Pro Ala	Glu Ala Gly Phe Arg Ala Pro Pro Ala Ile Asn Ala					
	565		570		575	
Arg Leu Pro Phe	Asn Phe Phe Phe Pro Phe Val					
	580		585			

<210> 1418

<211> 137

<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (117)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (133)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (137)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1418
Met Val Glu Glu Pro Gly Arg Phe Leu Pro Leu Trp Leu His Ile Leu
1 5 10 15
Leu Ile Thr Val Leu Leu Val Leu Ser Gly Ile Phe Ser Gly Leu Asn
20 25 30
Leu Gly Leu Met Ala Leu Asp Pro Met Glu Leu Arg Ile Val Gln Asn
35 40 45
Cys Gly Thr Xaa Lys Glu Arg Arg Tyr Ala Arg Lys Ile Glu Pro Ile
50 55 60
Arg Arg Lys Gly Asn Tyr Leu Leu Cys Ser Leu Leu Leu Gly Asn Val
65 70 75 80
Leu Val Asn Thr Ser Leu Thr Ile Leu Leu Asp Asn Leu Ile Gly Ser
85 90 95
Gly Leu Met Ala Val Ala Ser Phe Thr Ile Gly Ile Cys His Leu Trp
100 105 110
Gly Asp Pro Thr Xaa Gly Pro Cys Ala Pro Arg His Gly Ala Trp Leu
115 120 125
Val Gly Cys Gln Xaa Pro Cys Phe Xaa
130 135

<210> 1419
<211> 157
<212> PRT
<213> Homo sapiens

<220>

<221> SITE

<222> (90)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1419

Leu Lys Pro Phe Ser Gln Thr Pro Tyr Phe Glu Ser Pro Ser Phe Ser
1 5 10 15

Pro Ser Trp Gly Trp Arg Gln Glu Asp Met Trp Glu Ala Thr Glu Ala
20 25 30

Gly Ser Leu Cys Pro Leu Leu Cys Gly Trp Gln Gly Ser Pro Gly Leu
35 40 45

Ile His Pro Leu Met Glu Pro Gln Glu Arg Arg Ala Pro Pro Lys Gly
50 55 60

Met Gln Leu Ala Ala Pro Leu Ser His Thr Cys Asp Pro Ser Val Arg
65 70 75 80

Gly His Pro Ala Leu Ala Glu Val Ser Xaa Thr Val Leu Arg Ala Leu
85 90 95

Pro Ser Cys Glu Phe Leu Pro Trp Arg Leu Phe Pro Gly Ala Glu Ser
100 105 110

Gly Pro Ala Ala Lys Leu Gln Ala Ser Gln Gly Trp Gly Gly Cys Gly
115 120 125

Thr Lys Val His Val Gly Pro Ser Thr Gly Cys Ser Arg Ser Trp Val
130 135 140

Pro Arg Ala Trp Gln Val Lys Leu Cys Arg Pro Ser Ala
145 150 155

<210> 1420

<211> 631

<212> PRT

<213> Homo sapiens

<400> 1420

Met Lys Leu Tyr Ala Leu Cys Thr Arg Ala Gln Pro Asp Gly Pro Trp
1 5 10 15

Leu Lys Trp Thr Asp Lys Asp Ser Leu Leu Phe Met Val Glu Glu Pro
20 25 30

Gly Arg Phe Leu Pro Leu Trp Leu His Ile Leu Leu Ile Thr Val Leu
35 40 45

Leu Val Leu Ser Gly Ile Phe Ser Gly Leu Asn Leu Gly Leu Met Ala
50 55 60

Leu	Asp	Pro	Met	Glu	Leu	Arg	Ile	Val	Gln	Asn	Cys	Gly	Thr	Glu	Lys	65	70	75	80
Glu	Arg	Arg	Tyr	Ala	Arg	Lys	Ile	Glu	Pro	Ile	Arg	Arg	Lys	Gly	Asn	85	90	95	
Tyr	Leu	Leu	Cys	Ser	Leu	Leu	Leu	Gly	Asn	Val	Leu	Val	Asn	Thr	Ser	100	105	110	
Leu	Thr	Ile	Leu	Leu	Asp	Asn	Leu	Ile	Gly	Ser	Gly	Leu	Met	Ala	Val	115	120	125	
Ala	Ser	Ser	Thr	Ile	Gly	Ile	Val	Ile	Phe	Gly	Glu	Ile	Leu	Pro	Gln	130	135	140	
Ala	Leu	Cys	Ser	Arg	His	Gly	Leu	Ala	Val	Gly	Ala	Asn	Thr	Ile	Leu	145	150	155	160
Leu	Thr	Lys	Phe	Phe	Met	Leu	Leu	Thr	Phe	Pro	Leu	Ser	Phe	Pro	Ile	165	170	175	
Ser	Lys	Leu	Leu	Asp	Phe	Phe	Leu	Gly	Gln	Glu	Ile	Arg	Thr	Val	Tyr	180	185	190	
Asn	Arg	Glu	Lys	Leu	Met	Glu	Met	Leu	Lys	Val	Thr	Glu	Pro	Tyr	Asn	195	200	205	
Asp	Leu	Val	Lys	Glu	Glu	Leu	Asn	Met	Ile	Gln	Gly	Ala	Leu	Glu	Leu	210	215	220	
Arg	Thr	Lys	Thr	Val	Glu	Asp	Ile	Met	Thr	Gln	Leu	Gln	Asp	Cys	Phe	225	230	235	240
Met	Ile	Arg	Ser	Asp	Ala	Ile	Leu	Asp	Phe	Asn	Thr	Met	Ser	Glu	Ile	245	250	255	
Met	Glu	Ser	Gly	Tyr	Thr	Arg	Ile	Pro	Val	Phe	Glu	Asp	Glu	Gln	Ser	260	265	270	
Asn	Ile	Val	Asp	Ile	Leu	Tyr	Val	Lys	Asp	Leu	Ala	Phe	Val	Asp	Pro	275	280	285	
Asp	Asp	Cys	Thr	Pro	Leu	Lys	Thr	Ile	Thr	Arg	Phe	Tyr	Asn	His	Pro	290	295	300	
Val	His	Phe	Val	Phe	His	Asp	Thr	Lys	Leu	Asp	Ala	Met	Leu	Glu	Glu	305	310	315	320
Phe	Lys	Lys	Gly	Lys	Ser	His	Leu	Ala	Ile	Val	Gln	Lys	Val	Asn	Asn	325	330	335	
Glu	Gly	Glu	Gly	Asp	Pro	Phe	Tyr	Glu	Val	Leu	Gly	Leu	Val	Thr	Leu	340	345	350	
Glu	Asp	Val	Ile	Glu	Glu	Ile	Ile	Lys	Ser	Glu	Ile	Leu	Asp	Glu	Ser	355	360	365	

Asp Met Tyr Thr Asp Asn Arg Ser Arg Lys Arg Val Ser Glu Lys Asn
 370 375 380
 Lys Arg Asp Phe Ser Ala Phe Lys Asp Ala Asp Asn Glu Leu Lys Val
 385 390 395 400
 Lys Ile Ser Pro Gln Leu Leu Leu Ala Ala His Arg Phe Leu Ala Thr
 405 410 415
 Glu Val Ser Gln Phe Ser Pro Ser Leu Ile Ser Glu Lys Ile Leu Leu
 420 425 430
 Arg Leu Leu Lys Tyr Pro Asp Val Ile Gln Glu Leu Lys Phe Asp Glu
 435 440 445
 His Asn Lys Tyr Tyr Ala Arg His Tyr Leu Tyr Thr Arg Asn Lys Pro
 450 455 460
 Ala Asp Tyr Phe Ile Leu Ile Leu Gln Gly Lys Val Glu Val Glu Ala
 465 470 475 480
 Gly Lys Glu Asn Met Lys Phe Glu Thr Gly Ala Phe Ser Tyr Tyr Gly
 485 490 495
 Thr Met Ala Leu Thr Ser Val Pro Ser Asp Arg Ser Pro Ala His Pro
 500 505 510
 Thr Pro Leu Ser Arg Ser Ala Ser Leu Ser Tyr Pro Asp Arg Thr Asp
 515 520 525
 Val Ser Thr Ala Ala Thr Leu Ala Gly Ser Ser Asn Gln Phe Gly Ser
 530 535 540
 Ser Val Leu Gly Gln Tyr Ile Ser Asp Phe Ser Val Arg Ala Leu Val
 545 550 555 560
 Asp Leu Gln Tyr Ile Lys Ile Thr Arg Gln Gln Tyr Gln Asn Gly Leu
 565 570 575
 Leu Ala Ser Arg Met Glu Asn Ser Pro Gln Phe Pro Ile Asp Gly Cys
 580 585 590
 Thr Thr His Met Glu Asn Leu Ala Glu Lys Ser Glu Leu Pro Val Val
 595 600 605
 Asp Glu Thr Thr Thr Leu Leu Asn Glu Arg Asn Ser Leu Leu His Lys
 610 615 620
 Ala Ser His Glu Asn Ala Ile
 625 630

<210> 1421

<211> 83

<212> PRT

<213> Homo sapiens

<400> 1421

Met Gly Val Arg Val Trp Glu Leu Pro Ala Gln Pro Thr Gly Leu His
1 5 10 15

Leu Leu Cys Phe Cys Thr Arg Thr Met Leu Leu Ala Leu Lys Leu Pro
20 25 30

Lys Thr Lys His Ser Phe Pro Asp Pro Tyr Thr Ser Ile Leu Ser Phe
35 40 45

Ile His Pro Ala Phe Thr Glu Asn Leu Thr Leu Cys Gln Val Ser Val
50 55 60

Phe Leu Ser Ser Ser Asn Thr Glu Met Asn Gln Met Phe His Gly Val
65 70 75 80

Ser Phe Arg

<210> 1422

<211> 103

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (86)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (87)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (93)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (94)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (96)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1422

Met Met Ala Ser Ile Gln Ser Phe Ser Ala Met Ala Leu Leu Phe Tyr
1 5 10 15

Thr Val Phe Met Phe Val Ile Val Leu Ser Ser Leu Lys His Gly Leu

20 25 30
 Phe Ser Gly Gln Trp Leu Arg Arg Val Ser Tyr Val Arg Trp Glu Gly
 35 40 45
 Val Phe Arg Cys Ile Pro Ile Phe Gly Met Ser Phe Ala Cys Gln Ser
 50 55 60
 Gln Val Leu Pro Thr Tyr Asp Ser Leu Asp Glu Pro Ser Val Lys Thr
 65 70 75 80
 Met Ser Ser Ile Phe Xaa Xaa Ser Leu Asn Val Val Xaa Xaa Phe Xaa
 85 90 95
 Val Met Val Gly Val Phe Arg
 100

<210> 1423
 <211> 384
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (96)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (131)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1423
 Gln Arg Gln Glu Asp Glu Glu Asp Lys Pro Arg Gln Val Glu Val His
 1 5 10 15
 Gln Glu Pro Gly Ala Ala Val Pro Arg Gly Gln Glu Ala Pro Glu Gly
 20 25 30
 Lys Ala Arg Glu Thr Val Glu Asn Leu Pro Pro Leu Pro Leu Asp Pro
 35 40 45
 Val Leu Arg Ala Pro Gly Gly Arg Pro Ala Pro Ser Gln Asp Leu Asn
 50 55 60
 Gln Arg Ser Leu Glu His Ser Glu Gly Pro Val Gly Arg Asp Pro Ala
 65 70 75 80
 Gly Pro Pro Asp Gly Gly Pro Asp Thr Glu Pro Arg Ala Ala Gln Xaa
 85 90 95
 Lys Leu Arg Asp Gly Gln Lys Asp Ala Ala Pro Arg Ala Ala Gly Thr
 100 105 110
 Val Lys Glu Leu Pro Lys Gly Pro Glu Gln Val Pro Val Pro Asp Pro

115	120	125
Ala Arg Xaa Ala Gly Gly Pro Glu Glu Arg Leu Ala Glu Glu Phe Pro 130 135 140		
Gly Gln Ser Gln Asp Val Thr Gly Gly Ser Gln Asp Arg Lys Lys Pro 145 150 155 160		
Gly Lys Glu Val Ala Ala Thr Gly Thr Ser Ile Leu Lys Glu Ala Asn 165 170 175		
Trp Leu Val Ala Gly Pro Gly Ala Glu Thr Gly Asp Pro Arg Met Lys 180 185 190		
Pro Lys Gln Val Ser Arg Asp Leu Gly Leu Ala Ala Asp Leu Pro Gly 195 200 205		
Gly Ala Glu Gly Ala Ala Ala Gln Pro Gln Ala Val Leu Arg Gln Pro 210 215 220		
Glu Leu Arg Val Ile Ser Asp Gly Glu Gln Gly Gly Gln Gln Gly His 225 230 235 240		
Arg Leu Asp His Gly Gly His Leu Glu Met Arg Lys Ala Arg Gly Gly 245 250 255		
Asp His Val Pro Val Ser His Glu Gln Pro Arg Gly Gly Glu Asp Ala 260 265 270		
Ala Val Gln Glu Pro Arg Gln Arg Pro Glu Pro Glu Leu Gly Leu Lys 275 280 285		
Arg Ala Val Pro Gly Gly Gln Arg Pro Asp Asn Ala Lys Pro Asn Arg 290 295 300		
Asp Leu Lys Leu Gln Ala Gly Ser Asp Leu Arg Arg Arg Arg Arg Asp 305 310 315 320		
Leu Gly Pro His Ala Glu Gly Gln Leu Ala Pro Arg Asp Gly Val Ile 325 330 335		
Ile Gly Leu Asn Pro Leu Pro Asp Val Gln Val Asn Asp Leu Arg Gly 340 345 350		
Ala Leu Asp Ala Gln Leu Arg Gln Ala Ala Gly Gly Ala Leu Gln Val 355 360 365		
Val His Ser Arg Gln Leu Arg Gln Ala Pro Gly Pro Pro Glu Glu Ser 370 375 380		

<210> 1424

<211> 973

<212> PRT

<213> Homo sapiens

<400> 1424

Met Met Ala Ser Ile Gln Ser Phe Ser Ala Met Ala Leu Leu Phe Tyr
1 5 10 15

Thr Val Phe Met Phe Val Ile Val Leu Ser Ser Leu Lys His Gly Leu
20 25 30

Phe Ser Gly Gln Trp Leu Arg Arg Val Ser Tyr Val Arg Trp Glu Gly
35 40 45

Val Phe Arg Cys Ile Pro Ile Phe Gly Met Ser Phe Ala Cys Gln Ser
50 55 60

Gln Val Leu Pro Thr Tyr Asp Ser Leu Asp Glu Pro Ser Val Lys Thr
65 70 75 80

Met Ser Ser Ile Phe Ala Ser Ser Leu Asn Val Val Thr Thr Phe Tyr
85 90 95

Val Met Val Gly Phe Phe Gly Tyr Val Ser Phe Thr Glu Ala Thr Ala
100 105 110

Gly Asn Val Leu Met His Phe Pro Ser Asn Leu Val Thr Glu Met Leu
115 120 125

Arg Val Gly Phe Met Met Ser Val Ala Val Gly Phe Pro Met Met Ile
130 135 140

Leu Pro Cys Arg Gln Ala Leu Ser Thr Leu Leu Cys Glu Gln Gln Gln
145 150 155 160

Lys Asp Gly Thr Phe Ala Ala Gly Gly Tyr Met Pro Pro Leu Arg Phe
165 170 175

Lys Ala Leu Thr Leu Ser Val Val Phe Gly Thr Met Val Gly Gly Ile
180 185 190

Leu Ile Pro Asn Val Glu Thr Ile Leu Gly Leu Thr Gly Ala Thr Met
195 200 205

Gly Ser Leu Ile Cys Phe Ile Cys Pro Ala Leu Ile Tyr Lys Lys Ile
210 215 220

His Lys Asn Ala Leu Ser Ser Gln Val Val Leu Trp Val Gly Leu Gly
225 230 235 240

Val Leu Val Val Ser Thr Val Thr Thr Leu Ser Val Ser Glu Glu Val
245 250 255

Pro Glu Asp Leu Ala Glu Glu Ala Pro Gly Gly Arg Leu Gly Glu Ala
260 265 270

Glu Gly Leu Met Lys Val Glu Ala Ala Arg Leu Ser Ala Gln Asp Pro
275 280 285

Val	Val	Ala	Val	Ala	Glu	Asp	Gly	Arg	Glu	Lys	Pro	Lys	Leu	Pro	Lys
290						295			300						
Glu	Arg	Glu	Glu	Leu	Glu	Gln	Ala	Gln	Ile	Lys	Gly	Pro	Val	Asp	Val
305			310			315			320						
Pro	Gly	Arg	Glu	Asp	Gly	Lys	Glu	Ala	Pro	Glu	Glu	Ala	Gln	Leu	Asp
			325			330			335						
Arg	Pro	Gly	Gln	Gly	Ile	Ala	Val	Pro	Val	Gly	Glu	Ala	His	Arg	His
			340			345			350						
Glu	Pro	Pro	Val	Pro	His	Asp	Lys	Val	Val	Val	Asp	Glu	Gly	Gln	Asp
355			360			365									
Arg	Glu	Val	Pro	Glu	Glu	Asn	Lys	Pro	Pro	Ser	Arg	His	Ala	Gly	Gly
370			375			380									
Lys	Ala	Pro	Gly	Val	Gln	Gly	Gln	Met	Ala	Pro	Pro	Leu	Pro	Asp	Ser
385			390			395			400						
Glu	Arg	Glu	Lys	Gln	Glu	Pro	Glu	Gln	Gly	Glu	Val	Gly	Lys	Arg	Pro
			405			410			415						
Gly	Gln	Ala	Gln	Ala	Leu	Glu	Glu	Ala	Gly	Asp	Leu	Pro	Glu	Asp	Pro
			420			425			430						
Gln	Lys	Val	Pro	Glu	Ala	Asp	Gly	Gln	Pro	Ala	Val	Gln	Pro	Ala	Lys
435			440			445									
Glu	Asp	Leu	Gly	Pro	Gly	Asp	Arg	Gly	Leu	His	Pro	Arg	Pro	Gln	Ala
450			455			460									
Val	Leu	Ser	Glu	Gln	Gln	Asn	Gly	Leu	Ala	Val	Gly	Gly	Gly	Glu	Lys
465			470			475			480						
Ala	Lys	Gly	Gly	Pro	Pro	Pro	Gly	Asn	Ala	Ala	Gly	Asp	Thr	Gly	Gln
			485			490			495						
Pro	Ala	Glu	Asp	Ser	Asp	His	Gly	Gly	Lys	Pro	Pro	Leu	Pro	Ala	Glu
500			505			510									
Lys	Pro	Ala	Pro	Gly	Pro	Gly	Leu	Pro	Pro	Glu	Pro	Arg	Glu	Gln	Arg
515			520			525									
Asp	Val	Glu	Arg	Ala	Gly	Gly	Asn	Gln	Ala	Ala	Ser	Gln	Leu	Glu	Glu
530			535			540									
Ala	Gly	Arg	Ala	Glu	Met	Leu	Asp	His	Ala	Val	Leu	Leu	Gln	Val	Ile
545			550			555			560						
Lys	Glu	Gln	Gln	Val	Gln	Gln	Lys	Arg	Leu	Leu	Asp	Gln	Gln	Glu	Lys
			565			570			575						
Leu	Leu	Ala	Val	Ile	Glu	Glu	Gln	His	Lys	Glu	Ile	His	Gln	Gln	Arg
580			585			590									

Gln	Glu	Asp	Glu	Glu	Asp	Lys	Pro	Arg	Gln	Val	Glu	Val	His	Gln	Glu	595	600	605	
Pro	Gly	Ala	Ala	Val	Pro	Arg	Gly	Gln	Glu	Ala	Pro	Glu	Gly	Lys	Ala	610	615	620	
Arg	Glu	Thr	Val	Glu	Asn	Leu	Pro	Pro	Leu	Pro	Leu	Asp	Pro	Val	Leu	625	630	635	640
Arg	Ala	Pro	Gly	Gly	Arg	Pro	Ala	Pro	Ser	Gln	Asp	Leu	Asn	Gln	Arg	645	650	655	
Ser	Leu	Glu	His	Ser	Glu	Gly	Pro	Val	Gly	Arg	Asp	Pro	Ala	Gly	Pro	660	665	670	
Pro	Asp	Gly	Gly	Pro	Asp	Thr	Glu	Pro	Arg	Ala	Ala	Gln	Gly	Lys	Leu	675	680	685	
Arg	Asp	Gly	Gln	Lys	Asp	Ala	Ala	Pro	Arg	Ala	Ala	Gly	Thr	Val	Lys	690	695	700	
Glu	Leu	Pro	Lys	Gly	Pro	Glu	Gln	Val	Pro	Val	Pro	Asp	Pro	Ala	Arg	705	710	715	720
Glu	Ala	Gly	Gly	Pro	Glu	Glu	Arg	Leu	Ala	Glu	Glu	Phe	Pro	Gly	Gln	725	730	735	
Ser	Gln	Asp	Val	Thr	Gly	Gly	Ser	Gln	Asp	Arg	Lys	Lys	Pro	Gly	Lys	740	745	750	
Glu	Val	Ala	Ala	Thr	Gly	Thr	Ser	Ile	Leu	Lys	Glu	Ala	Asn	Trp	Leu	755	760	765	
Val	Ala	Gly	Pro	Gly	Ala	Glu	Thr	Gly	Asp	Pro	Arg	Met	Lys	Pro	Lys	770	775	780	
Gln	Val	Ser	Arg	Asp	Leu	Gly	Leu	Ala	Ala	Asp	Leu	Pro	Gly	Gly	Ala	785	790	795	800
Glu	Gly	Ala	Ala	Ala	Gln	Pro	Gln	Ala	Val	Leu	Arg	Gln	Pro	Glu	Leu	805	810	815	
Arg	Val	Ile	Ser	Asp	Gly	Glu	Gln	Gly	Gly	Gln	Gln	Gly	His	Arg	Leu	820	825	830	
Asp	His	Gly	Gly	His	Leu	Glu	Met	Arg	Lys	Ala	Arg	Gly	Gly	Asp	His	835	840	845	
Val	Pro	Val	Ser	His	Glu	Gln	Pro	Arg	Gly	Gly	Glu	Asp	Ala	Ala	Val	850	855	860	
Gln	Glu	Pro	Arg	Gln	Arg	Pro	Glu	Pro	Glu	Leu	Gly	Leu	Lys	Arg	Ala	865	870	875	880
Val	Pro	Gly	Gly	Gln	Arg	Pro	Asp	Asn	Ala	Lys	Pro	Asn	Arg	Asp	Leu	885	890	895	

Lys Leu Gln Ala Gly Ser Asp Leu Arg Arg Arg Arg Arg Asp Leu Gly
 900 905 910
 Pro His Ala Glu Gly Gln Leu Ala Pro Arg Asp Gly Val Ile Gly Leu
 915 920 925
 Asn Pro Leu Pro Asp Val Gln Val Asn Asp Leu Arg Gly Ala Leu Asp
 930 935 940
 Ala Gln Leu Arg Gln Ala Ala Gly Gly Ala Leu Gln Val Val His Ser
 945 950 955 960
 Arg Gln Leu Arg Gln Ala Pro Gly Pro Pro Glu Glu Ser
 965 970

<210> 1425
 <211> 110
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (89)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (96)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (104)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1425
 Met Tyr Leu Gln Ile Pro Val Lys His Met Leu His Ser Gly Tyr Gln
 1 5 10 15
 Ala Thr Phe Phe Ser Pro Lys Ile Gly Cys Ser Ser Ile Leu Val Phe
 20 25 30
 Val Cys Leu Leu Val Phe Leu Arg Gln Ser Leu Ala Leu Leu Pro Arg
 35 40 45
 Leu Glu Tyr Ser Gly Ala Ile Leu Ala His Cys Asn Leu His Leu Leu
 50 55 60
 Gly Ser Ser Asp Ser Pro Ala Ser Ala Ser Pro Val Ala Gly Ile Thr
 65 70 75 80
 Gly Met His His His Thr Gln Leu Xaa Phe Cys Thr Phe Ser Arg Xaa
 85 90 95

Gly Ile Tyr Gln Leu Ala Ser Xaa Ser Pro Asn Pro Asp Leu
100 105 110

<210> 1426
<211> 57
<212> PRT
<213> Homo sapiens

<400> 1426
Phe Asn Thr Pro Lys Ile Phe Phe Gly Thr Tyr His Arg Gln Gly Thr
1 5 10 15

Leu Ile Ser Thr Gly Asp Thr Ile Ser Cys Leu Gly Leu Leu Cys Ser
20 25 30

Ser Ala Ala Arg Glu Gly Ile Ala Ile Cys Arg Ile Leu Lys Lys His
35 40 45

Lys His Lys Gly Ala Lys Leu Tyr Ile
50 55

<210> 1427
<211> 127
<212> PRT
<213> Homo sapiens

<400> 1427
Met Leu His Ser Gly Tyr Gln Ala Thr Phe Phe Ser Pro Lys Ile Gly
1 5 10 15

Cys Ser Ser Ile Leu Val Phe Val Cys Leu Leu Val Phe Leu Arg Gln
20 25 30

Ser Leu Ala Leu Leu Pro Arg Leu Glu Tyr Ser Gly Ala Ile Leu Ala
35 40 45

His Cys Asn Leu His Leu Leu Gly Ser Ser Asp Ser Pro Ala Ser Ala
50 55 60

Ser Pro Val Ala Gly Ile Thr Gly Met His His His Thr Gln Leu Phe
65 70 75 80

Phe Cys Thr Phe Ser Arg Asp Gly Ile Leu Pro Cys Trp Pro Gly Trp
85 90 95

Ser Pro Thr Pro Asp Leu Arg Gln Ser Thr Leu Leu Ser Leu Pro Lys
100 105 110

Cys Trp Asp Tyr Arg His Glu Pro Leu Arg Pro Ala Gln Ala Phe
115 120 125

<210> 1428
<211> 80
<212> PRT
<213> Homo sapiens

<400> 1428
Met Phe Ile Pro Gln Leu Pro Ala Leu Gly Leu Thr Ser Leu Met Met
1 5 10 15
Ala Ile Ser Leu Asn Val Ser Val Ser Gln Gly Leu Ser Ser Ala Cys
20 25 30
Met His Leu Arg Met Gln Ala Cys Lys Pro Thr Arg Val Gln Ala Lys
35 40 45
Val Leu Gly Asp Trp Val Gln Glu Asn His Val Ile Glu Asn Gly Ala
50 55 60
Thr Leu Arg Pro Trp Gln Asp Pro Leu His Asp Lys Tyr Arg Met Lys
65 70 75 80

<210> 1429
<211> 73
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1429
His Phe Ser Phe Trp Phe Ile His Phe Pro His Phe His Leu Lys Ile
1 5 10 15
Leu Thr Lys Cys Leu Ala Glu Phe Ser Lys Tyr Asn Asn Phe Thr Leu
20 25 30
Pro Ala Asp Asn Glu Xaa Ile Arg Val Gln Asn Pro Phe Gln Leu Ser
35 40 45
Lys His Leu Leu Ser Leu Tyr Phe Val Ser Asp Thr Gly Val Lys Phe
50 55 60
Trp Lys Cys Lys Arg Asn Leu His Leu
65 70

<210> 1430
<211> 80
<212> PRT

<213> Homo sapiens

<400> 1430

Met	Phe	Ile	Pro	Gln	Leu	Pro	Ala	Leu	Gly	Leu	Thr	Ser	Leu	Met	Met
1				5					10					15	
Ala	Ile	Ser	Leu	Asn	Val	Ser	Val	Ser	Gln	Gly	Leu	Ser	Ser	Ala	Cys
			20					25						30	
Met	His	Leu	Arg	Met	Gln	Ala	Cys	Lys	Pro	Thr	Arg	Val	Gln	Ala	Lys
			35				40					45			
Val	Leu	Gly	Asp	Trp	Val	Gln	Glu	Asn	His	Val	Ile	Glu	Asn	Gly	Ala
	50					55					60				
Thr	Leu	Arg	Pro	Trp	Gln	Asp	Pro	Leu	His	Asp	Lys	Tyr	Arg	Met	Lys
65					70					75					80

<210> 1431

<211> 26

<212> PRT

<213> Homo sapiens

<400> 1431

Met	Leu	Arg	Trp	His	Leu	Trp	Ser	Trp	Phe	Cys	Trp	Phe	Cys	Leu	Ser
1				5					10					15	
Glu	Ala	Gly	Val	Leu	Leu	Asp	Leu	Pro	Thr						
			20					25							

<210> 1432

<211> 84

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (25)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (42)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (64)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (79)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1432
 Xaa Met Ser Arg Gln His Arg Leu Asn Pro His Gly Pro Asp Pro Ala
 1 5 10 15
 Ala Pro His Arg Ala Cys Arg Leu Xaa Ser Pro Arg Gln Val Thr Trp
 20 25 30
 Leu Thr Pro Ala Glu Ala Leu Pro Leu Xaa Pro Cys Pro Ser Gln Cys
 35 40 45
 Gly Ala His Cys Arg Gln His Gly Pro Glu Arg Glu Gly Ser Ala Xaa
 50 55 60
 Pro Ala Ala Leu Leu Arg Pro Gly Leu Pro Val Phe Gly His Xaa Leu
 65 70 75 80
 Arg Leu Ser Gln

<210> 1433
 <211> 26
 <212> PRT
 <213> Homo sapiens

<400> 1433
 Met Leu Arg Trp His Leu Trp Ser Trp Phe Cys Trp Phe Cys Leu Ser
 1 5 10 15
 Glu Ala Gly Val Leu Leu Asp Leu Pro Thr
 20 25

<210> 1434
 <211> 139
 <212> PRT
 <213> Homo sapiens

<400> 1434
 Met Ala Leu Arg Met Leu Trp Ala Gly Gln Ala Lys Gly Ile Leu Gly
 1 5 10 15
 Gly Trp Gly Ile Ile Cys Leu Val Met Ser Leu Leu Leu Gln His Pro
 20 25 30

Gly Val Tyr Ser Lys Cys Tyr Phe Gln Ala Gln Ala Pro Cys His Tyr
 35 40 45
 Glu Gly Lys Tyr Phe Thr Leu Gly Glu Ser Trp Leu Arg Lys Asp Cys
 50 55 60
 Phe His Cys Thr Cys Leu His Pro Val Gly Val Gly Cys Cys Asp Thr
 65 70 75 80
 Ser Gln His Pro Ile Asp Phe Pro Ala Gly Cys Glu Val Arg Gln Glu
 85 90 95
 Ala Gly Thr Cys Gln Phe Ser Leu Val Gln Lys Ser Asp Pro Arg Leu
 100 105 110
 Pro Cys Lys Gly Gly Gly Pro Asp Pro Glu Trp Gly Ser Ala Asn Thr
 115 120 125
 Pro Val Pro Gly Ala Pro Ala Pro His Ser Ser
 130 135

<210> 1435
 <211> 139
 <212> PRT
 <213> Homo sapiens

<400> 1435
 Met Ala Leu Arg Met Leu Trp Ala Gly Gln Ala Lys Gly Ile Leu Gly
 1 5 10 15
 Gly Trp Gly Ile Ile Cys Leu Val Met Ser Leu Leu Leu Gln His Pro
 20 25 30
 Gly Val Tyr Ser Lys Cys Tyr Phe Gln Ala Gln Ala Pro Cys His Tyr
 35 40 45
 Glu Gly Lys Tyr Phe Thr Leu Gly Glu Ser Trp Leu Arg Lys Asp Cys
 50 55 60
 Phe His Cys Thr Cys Leu His Pro Val Gly Val Gly Cys Cys Asp Thr
 65 70 75 80
 Ser Gln His Pro Ile Asp Phe Pro Ala Gly Cys Glu Val Arg Gln Glu
 85 90 95
 Ala Gly Thr Cys Gln Phe Ser Leu Val Gln Lys Ser Asp Pro Arg Leu
 100 105 110
 Pro Cys Lys Gly Gly Gly Pro Asp Pro Glu Trp Gly Ser Ala Asn Thr
 115 120 125
 Pro Val Pro Gly Ala Pro Ala Pro His Ser Ser
 130 135

<210> 1436
<211> 80
<212> PRT
<213> Homo sapiens

<400> 1436
Met Phe Asp Arg Cys Arg Val Thr Ser Cys Ser Cys Thr Cys Gly Ala
1 5 10 15
Gly Ala Lys Trp Cys Thr His Val Val Ala Leu Cys Leu Phe Arg Ile
20 25 30
His Asn Ala Ser Ala Val Cys Leu Arg Ala Pro Val Ser Glu Ser Leu
35 40 45
Ser Arg Leu Gln Arg Asp Gln Leu Gln Lys Phe Ala Gln Tyr Leu Ile
50 55 60
Ser Glu Leu Pro Gln Gln Val Gly Glu Val Gly Thr Pro Ser Cys Asn
65 70 75 80

<210> 1437
<211> 145
<212> PRT
<213> Homo sapiens

<400> 1437
Asp Pro Ser Gly Ser Phe Met Gly Arg Ser Val Met Met Arg Ile Leu
1 5 10 15
Gly Ser Pro Val Phe Phe Pro Met His Asp Thr Ser Val Cys Leu Thr
20 25 30
Tyr Pro Asn Phe Tyr Thr Val Val Ser Pro Thr Gly Ser Arg Pro Pro
35 40 45
Ser Arg Asn Trp Asn Ser Glu Thr Pro Gly Asp Glu Glu Leu Gly Phe
50 55 60
Glu Ala Ala Val Ala Ala Leu Gly Met Lys Thr Thr Val Ser Glu Ala
65 70 75 80
Glu His Pro Leu Leu Cys Glu Gly Thr Arg Arg Glu Lys Gly Asp Leu
85 90 95
Ala Leu Ala Leu Met Ile Thr Tyr Lys Asp Asp Gln Ala Lys Leu Lys
100 105 110
Lys Lys Ile Ser Arg Ala Trp Trp Arg Ala Pro Val Val Pro Ala Thr
115 120 125

Arg Glu Ala Glu Val Gly Glu Leu Leu Glu Pro Arg Ser Leu Arg Leu
 130 135 140

Gln
 145

<210> 1438
 <211> 80
 <212> PRT
 <213> Homo sapiens

<400> 1438
 Met Phe Asp Arg Cys Arg Val Thr Ser Cys Ser Cys Thr Cys Gly Ala
 1 5 10 15
 Gly Ala Lys Trp Cys Thr His Val Val Ala Leu Cys Leu Phe Arg Ile
 20 25 30
 His Asn Ala Ser Ala Val Cys Leu Arg Ala Pro Val Ser Glu Ser Leu
 35 40 45
 Ser Arg Leu Gln Arg Asp Gln Leu Gln Lys Phe Ala Gln Tyr Leu Ile
 50 55 60
 Ser Glu Leu Pro Gln Gln Val Gly Glu Val Gly Thr Pro Ser Cys Asn
 65 70 75 80

<210> 1439
 <211> 91
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (56)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1439
 Met Ala Ser Gln Val Pro Ser Ser Pro Phe Gln Ser Phe Phe Val Phe
 1 5 10 15
 Val Phe Val Phe Leu Arg Pro Ser His Ser Val Ala Gln Ala Gly Val
 20 25 30
 Pro Leu His Phe Tyr Phe Phe Ile Gln Gln Val Leu Ile Lys Cys Ala
 35 40 45
 Leu Tyr Gln Val Leu Ser Ser Xaa Leu Gly Tyr Asn Gly Asp Gln Gly
 50 55 60

Asp Cys Arg Phe Trp Gln Gly Lys Leu Thr Ser Asn Thr Ala Thr Arg
65 70 75 80

His Ser Glu Thr Leu Ser Leu Leu Glu Glu Leu
85 90

<210> 1440

<211> 137

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (132)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1440

Met Ser Ala Lys Gln Val Thr Ser Gln Ser Ser Leu Ser Glu Asn Asp
1 5 10 15

Gly Phe Gln Ala Phe Val Trp Trp Leu Leu Gly Ile Gly Ala Leu Thr
20 25 30

Phe Ala Leu Leu Met Ser Ala Arg Met Gly Ile Phe Gln Glu Thr Leu
35 40 45

Tyr Lys Arg Phe Gly Lys His Ser Lys Glu Ala Leu Phe Tyr Asn His
50 55 60

Ala Leu Pro Leu Pro Gly Phe Val Phe Leu Ala Ser Asp Ile Tyr Asp
65 70 75 80

His Ala Val Leu Phe Asn Lys Ser Glu Leu Tyr Glu Ile Pro Val Ile
85 90 95

Gly Val Thr Leu Pro Ile Met Trp Phe Tyr Leu Leu Met Asn Ile Ile
100 105 110

Thr Gln Tyr Val Cys Ile Arg Gly Val Phe Ile Leu Thr Thr Gly Met
115 120 125

Arg Leu Pro Xaa Arg His Ala Arg Ser
130 135

<210> 1441

<211> 94

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (6)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1441

Pro Tyr Pro Phe Cys Xaa Pro Ser Pro Phe Pro Ser Ser Ala Ala Pro
1 5 10 15

His Ser Gln Ser Asp Ala Ala Gly Thr Thr Ile Thr Arg Ser Gly Gln
20 25 30

Val Asn Arg Asp Thr Ser Asn Ser Arg Ala Gly Leu Pro Pro Ala Phe
35 40 45

Trp Glu Gly Lys Arg Cys Ser Pro Glu Leu Ile Pro Ser Asp Ser Ala
50 55 60

Ala Arg Leu Val Gly Leu Leu Phe Pro Thr Phe Cys Phe Phe Phe Phe
65 70 75 80

Leu Cys Lys Ser Gln Met Leu Leu Ser Ile Ala Phe Cys Asp
85 90

<210> 1442

<211> 104

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (104)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1442

Met Gly Phe Ser Gly Pro Ala Leu Leu Phe Pro Ile Phe Leu Leu His
1 5 10 15

Ser Ala Ser Ser Met Leu Ser His Thr Ser Thr Ile Val Gln Thr Asn
20 25 30

Lys Gln Thr Glu Glu Arg Lys Asp Gly Glu Phe Cys Asn Arg Ala Ala
35 40 45

Lys Ser Gln Ser Lys Gln Glu Glu Val Glu Gly Thr Lys Thr Asn Lys
50 55 60

Gln Arg Cys Leu Asp Tyr Ser Thr Val Asp Met Pro Ser Ile Leu Ala
65 70 75 80

Cys Ala Pro Leu Ser Ile Thr Gly His Asn Ser Glu Glu Val Gln Ile
85 90 95

Lys Trp Cys Leu Phe Val Cys Xaa
100

<210> 1443

<211> 104
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (104)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1443
Met Gly Phe Ser Gly Pro Ala Leu Leu Phe Pro Ile Phe Leu Leu His
1 5 10 15
Ser Ala Ser Ser Met Leu Ser His Thr Ser Thr Ile Val Gln Thr Asn
20 25 30
Lys Gln Thr Glu Glu Arg Lys Asp Gly Glu Phe Cys Asn Arg Ala Ala
35 40 45
Lys Ser Gln Ser Lys Gln Glu Glu Val Glu Gly Thr Lys Thr Asn Lys
50 55 60
Gln Arg Cys Leu Asp Tyr Ser Thr Val Asp Met Pro Ser Ile Leu Ala
65 70 75 80
Cys Ala Pro Leu Ser Ile Thr Gly His Asn Ser Glu Glu Val Gln Ile
85 90 95
Lys Trp Cys Leu Phe Val Cys Xaa
100

<210> 1444
<211> 88
<212> PRT
<213> Homo sapiens

<400> 1444
Met Trp Gly Glu Pro Gly Gly Arg Val Ser Ala Leu Ala Gln Val Ser
1 5 10 15
Ala Gly Tyr Ala Pro Ser Gly Ser Gln Lys Cys Phe Leu Gln Gly Leu
20 25 30
Arg Val Leu Leu Leu Val Val Gln Leu Ser Ala Pro His Leu Cys Pro
35 40 45
Asn Pro Asn Ser Cys Gln Val Leu Ala Ser Tyr Phe Ser Cys Leu Tyr
50 55 60
Ser Tyr Trp Asp Thr Ile Glu Ser Pro Arg Ala Val Gly Ser His Leu
65 70 75 80
Arg Gly Arg Tyr Ile Gly Ser Ser
85

<210> 1445
<211> 64
<212> PRT
<213> Homo sapiens

<400> 1445
Ser Gln Arg Ser Gly Arg Leu Arg Gln Glu Asp His Leu Arg Ser Gly
1 5 10 15
Val Gln Cys Gly Gln His Ser Lys Thr Leu Ser Leu Gln Lys Asn Leu
20 25 30
Lys Leu Ser Trp His Trp Trp Arg Met Ala Val Val Pro Ala Thr Trp
35 40 45
Glu Val Glu Val Gly Gly Ser Leu Glu Pro Arg Ser Ser Ser Leu Gln
50 55 60

<210> 1446
<211> 88
<212> PRT
<213> Homo sapiens

<400> 1446
Met Trp Gly Glu Pro Gly Gly Arg Val Ser Ala Leu Ala Gln Val Ser
1 5 10 15
Ala Gly Tyr Ala Pro Ser Gly Ser Gln Lys Cys Phe Leu Gln Gly Leu
20 25 30
Arg Val Leu Leu Leu Val Val Gln Leu Ser Ala Pro His Leu Cys Pro
35 40 45
Asn Pro Asn Ser Cys Gln Val Leu Ala Ser Tyr Phe Ser Cys Leu Tyr
50 55 60
Ser Tyr Trp Asp Thr Ile Glu Ser Pro Arg Ala Val Gly Ser His Leu
65 70 75 80
Arg Gly Arg Tyr Ile Gly Ser Ser
85

<210> 1447
<211> 82
<212> PRT
<213> Homo sapiens

<220>

<221> SITE

<222> (61)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1447

Met Ala Ser His Ser Phe Leu Leu Asp Ile Tyr Leu Val Leu Ser Leu
1 5 10 15

Trp Lys Cys Ile Pro Gly Leu Val Gln Asp Val Phe Leu Glu Met Lys
20 25 30

Val Leu Thr Glu Ser Ala Leu Cys Lys Val Met Thr Leu Glu Pro Leu
35 40 45

Gln His Ser Val Leu Val Phe Arg Cys Trp Gln Ser Xaa Phe Gln Ala
50 55 60

Lys Ser Ser Arg Pro Cys Gln Ala Ser Ile Phe Ala Tyr Tyr Thr Leu
65 70 75 80

Asn Phe

<210> 1448

<211> 82

<212> PRT

<213> Homo sapiens

<400> 1448

Met Ala Ser His Ser Phe Leu Leu Asp Ile Tyr Leu Val Leu Ser Leu
1 5 10 15

Trp Lys Cys Ile Pro Gly Leu Val Gln Asp Val Phe Leu Glu Met Lys
20 25 30

Val Leu Thr Glu Ser Ala Leu Cys Lys Val Met Thr Leu Glu Pro Leu
35 40 45

Gln His Ser Val Leu Val Phe Arg Cys Trp Gln Ser Pro Phe Gln Ala
50 55 60

Lys Ser Ser Arg Pro Cys Gln Ala Ser Ile Phe Ala Tyr Tyr Thr Leu
65 70 75 80

Asn Phe

<210> 1449

<211> 103

<212> PRT

<213> Homo sapiens

<400> 1449

Met Gln Ser Phe His His Pro Leu Arg Ile Leu Leu Trp Leu Pro Leu
 1 5 10 15
 Val Thr Lys Lys Ser Leu Cys Pro Val His Lys Thr Met Thr Gln Leu
 20 25 30
 Ser Leu Val Leu Ala Ser Leu Ser Asn Ser Leu Ser Phe Gly Tyr Pro
 35 40 45
 Gly Phe Val Arg Ala Asn Arg Gln Thr Ser Leu Ile Gly Glu Phe Leu
 50 55 60
 Gly Gly Gly Gly Trp His Ala Phe Ala Tyr Cys Phe Leu Ser Ala Glu
 65 70 75 80
 Asn Ala Ser Leu Ser Leu Ala Val Ser Ala Thr Pro Pro Asp Leu Val
 85 90 95
 Ser Leu Ile Cys Leu Ser Gln
 100

<210> 1450
 <211> 50
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (33)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1450
 Ala Ala Met Arg Trp Arg Trp Trp Gln Arg Leu Leu Pro Trp Arg Leu
 1 5 10 15
 Leu Gln Ala Arg Gly Phe Pro Gln Asn Ser Ala Pro Ser Leu Gly Leu
 20 25 30
 Xaa Ala Arg Thr Tyr Ser Gln Gly Asp Cys Ser Tyr Ser Arg Thr Ala
 35 40 45
 Leu Leu
 50

<210> 1451
 <211> 130
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (31)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (115)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (116)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (122)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (126)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (127)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1451
 Met Arg Trp Arg Trp Trp Gln Arg Leu Leu Pro Trp Arg Leu Leu Gln
 1 5 10 15
 Ala Arg Gly Phe Pro Gln Asn Ser Ala Pro Ser Leu Gly Leu Xaa Ala
 20 25 30
 Arg Thr Tyr Ser Gln Gly Asp Cys Ser Tyr Ser Arg Thr Ala Leu Tyr
 35 40 45
 Asp Leu Leu Gly Val Pro Ser Thr Ala Thr Gln Ala Gln Ile Lys Ala
 50 55 60
 Ala Tyr Tyr Arg Gln Cys Phe Leu Tyr His Pro Asp Arg Asn Ser Gly
 65 70 75 80
 Ser Ala Glu Ala Ala Glu Arg Phe Thr Arg Ile Ser Gln Ala Tyr Val
 85 90 95
 Val Leu Gly Ser Ala Pro Ser Val Ala Ser Met Ile Ala Ala Tyr Ser
 100 105 110
 Ala Thr Xaa Xaa Cys Ala Asp Leu Ala Xaa Gly Leu Gln Xaa Xaa Arg
 115 120 125
 His Pro
 130

<210> 1452

<211> 30
<212> PRT
<213> Homo sapiens

<400> 1452
Leu Asn Pro Trp Pro Leu Ile Val Tyr Leu Cys Trp Asp Pro Lys Glu
1 5 10 15
Leu Tyr Ser Pro Cys Pro Pro Arg Pro Ala Gln Leu Ser Arg
20 25 30

<210> 1453
<211> 226
<212> PRT
<213> Homo sapiens

<400> 1453
Met Ala Ala Met Arg Trp Arg Trp Trp Gln Arg Leu Leu Pro Trp Arg
1 5 10 15
Leu Leu Gln Ala Arg Gly Phe Pro Gln Asn Ser Ala Pro Ser Leu Gly
20 25 30
Leu Gly Ala Arg Thr Tyr Ser Gln Gly Asp Cys Ser Tyr Ser Arg Thr
35 40 45
Ala Leu Tyr Asp Leu Leu Gly Val Pro Ser Thr Ala Thr Gln Ala Gln
50 55 60
Ile Lys Ala Ala Tyr Tyr Arg Gln Cys Phe Leu Tyr His Pro Asp Arg
65 70 75 80
Asn Ser Gly Ser Ala Glu Ala Ala Glu Arg Phe Thr Arg Ile Ser Gln
85 90 95
Ala Tyr Val Val Leu Gly Ser Ala Thr Leu Arg Arg Lys Tyr Asp Arg
100 105 110
Gly Leu Leu Ser Asp Glu Asp Leu Arg Gly Pro Gly Val Arg Pro Ser
115 120 125
Arg Thr Pro Ala Pro Asp Pro Gly Ser Pro Arg Thr Pro Pro Pro Thr
130 135 140
Ser Arg Thr His Asp Gly Ser Arg Ala Ser Pro Gly Ala Asn Arg Thr
145 150 155 160
Met Phe Asn Phe Asp Ala Phe Tyr Gln Ala His Tyr Gly Glu Gln Leu
165 170 175
Glu Arg Glu Arg Arg Leu Arg Ala Arg Arg Glu Ala Leu Arg Lys Arg
180 185 190
Gln Glu Tyr Arg Ser Met Lys Gly Leu Arg Trp Glu Asp Thr Arg Asp
195 200 205

Thr Ala Ala Ile Phe Leu Ile Phe Ser Ile Phe Ile Ile Ile Gly Phe
 210 215 220

Tyr Ile
 225

<210> 1454
 <211> 302
 <212> PRT
 <213> Homo sapiens

<400> 1454
 Met Leu Val Thr Asn Arg Pro Gly Val Leu Lys Glu Pro Lys Leu Met
 1 5 10 15
 Gly Ala Ile Ser Phe Phe Ile Phe Phe Phe Thr Leu Leu Val Leu Ala
 20 25 30
 Arg Gln Asn Glu Tyr Tyr Cys Arg Leu Asp Phe Leu Trp Lys Lys Lys
 35 40 45
 Leu Arg Gln Glu Arg Glu Glu Thr Glu Thr Met Glu Asn Leu Thr Arg
 50 55 60
 Leu Leu Leu Glu Asn Val Leu Pro Ala His Val Ala Pro Gln Phe Ile
 65 70 75 80
 Gly Gln Asn Arg Arg Asn Glu Asp Leu Tyr His Gln Ser Tyr Glu Cys
 85 90 95
 Val Cys Val Leu Phe Ala Ser Val Pro Asp Phe Lys Glu Phe Tyr Ser
 100 105 110
 Glu Ser Asn Ile Asn His Glu Gly Leu Glu Cys Leu Arg Leu Leu Asn
 115 120 125
 Glu Ile Ile Ala Asp Phe Asp Glu Leu Leu Ser Lys Pro Lys Phe Ser
 130 135 140
 Gly Val Glu Lys Ile Lys Thr Ile Gly Ser Thr Tyr Met Ala Ala Thr
 145 150 155 160
 Gly Leu Asn Ala Thr Ser Gly Gln Asp Ala Gln Gln Asp Ala Glu Arg
 165 170 175
 Ser Cys Ser His Leu Gly Thr Met Val Glu Phe Ala Val Ala Leu Gly
 180 185 190
 Ser Lys Leu Asp Val Ile Asn Lys His Ser Phe Asn Asn Phe Arg Leu
 195 200 205
 Arg Val Gly Leu Asn His Gly Pro Val Val Ala Gly Val Ile Gly Ala
 210 215 220

Gln Lys Pro Gln Tyr Asp Ile Trp Gly Asn Thr Val Asn Val Ala Ser
 225 230 235 240

Arg Met Glu Ser Thr Gly Val Leu Gly Lys Ile Gln Val Thr Glu Glu
 245 250 255

Thr Ala Trp Ala Leu Gln Ser Leu Gly Tyr Thr Cys Tyr Ser Arg Gly
 260 265 270

Val Ile Lys Val Lys Gly Lys Gly Gln Leu Cys Thr Tyr Phe Leu Asn
 275 280 285

Thr Asp Leu Thr Arg Thr Gly Pro Pro Ser Ala Thr Leu Gly
 290 295 300

<210> 1455

<211> 76

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (11)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1455

Met Gly Pro Phe Phe Pro Tyr Ser Leu Leu Xaa Phe Phe Pro Cys Ser
 1 5 10 15

Phe Ser Ser Pro Ser Phe Ile Phe Leu Leu Ile Leu Lys Thr Gly
 20 25 30

Cys Ser Leu Phe Pro Cys Cys Pro Ile Ser Pro Leu Cys Pro Tyr Phe
 35 40 45

Ser Gln Ser Leu Ser Pro Leu Lys Ser Arg Ala Gly Arg Cys Tyr Trp
 50 55 60

Cys Phe Phe Thr Leu Gly Pro Ser Ser Tyr Leu Leu
 65 70 75

<210> 1456

<211> 61

<212> PRT

<213> Homo sapiens

<400> 1456

Thr Leu Thr Gln His Gln Gly Ala His Leu Gly Pro Phe Leu Asp Met
 1 5 10 15

Ser Phe Leu His Tyr His Ser His Glu Pro Pro Thr Ser Gly Ile Ala
 20 25 30

Asp Gln Gly Trp Gly Glu Asn Val Ala Cys Cys Phe Leu Val Leu Val
 35 40 45

Ile Ile Tyr Leu Asn Lys Gln Cys Cys Lys Tyr Leu Pro
 50 55 60

<210> 1457
 <211> 110
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (8)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1457
 Met Arg Leu Ser Cys Pro Arg Xaa Pro Gly Trp Met Gly Pro Phe Phe
 1 5 10 15
 Pro Tyr Ser Leu Leu Ser Phe Phe Pro Cys Ser Phe Ser Ser Pro Ser
 20 25 30
 Phe Ile Phe Leu Leu Leu Ile Leu Lys Thr Gly Cys Ser Leu Phe Pro
 35 40 45
 Cys Cys Pro Ile Ser Pro Leu Cys Pro Tyr Phe Ser Gln Ser Leu Ser
 50 55 60
 Pro Leu Lys Ser Arg Ala Gly Arg Cys Tyr Trp Cys Phe Phe Thr Leu
 65 70 75 80
 Gly Pro Ser Ser Ile Phe Val Phe Ser Val Tyr Pro Leu Pro Asp Thr
 85 90 95
 Ser Phe Ser Pro Ser Leu Gly Pro Lys Ala Glu Asn Gln Cys
 100 105 110

<210> 1458
 <211> 99
 <212> PRT
 <213> Homo sapiens

<400> 1458
 Met Gly Pro Phe Phe Pro Tyr Ser Leu Leu Ser Phe Phe Pro Cys Ser
 1 5 10 15
 Phe Ser Ser Pro Ser Phe Ile Phe Leu Leu Leu Ile Leu Lys Thr Gly
 20 25 30
 Cys Ser Leu Phe Pro Cys Cys Pro Ile Ser Pro Leu Cys Pro Tyr Phe
 35 40 45

Ser Gln Ser Leu Ser Pro Leu Lys Ser Arg Ala Gly Arg Cys Tyr Trp
 50 55 60
 Cys Phe Phe Thr Leu Gly Pro Ser Ser Ile Phe Val Phe Ser Val Tyr
 65 70 75 80
 Pro Leu Pro Asp Thr Ser Phe Ser Pro Ser Leu Gly Pro Lys Ala Glu
 85 90 95
 Asn Gln Cys

<210> 1459
 <211> 98
 <212> PRT
 <213> Homo sapiens

<400> 1459
 Met Phe Ile Cys Phe Leu Thr Leu Leu Thr Pro Gly Phe Ser Leu Ser
 1 5 10 15
 Leu Arg Arg Lys His Tyr Leu Ile Thr Phe Arg Trp Phe Thr Tyr Ser
 20 25 30
 Val Lys Asn Met Cys Lys Tyr Phe Val Gln Ser Pro Val Ser Asn Lys
 35 40 45
 Gln Pro Tyr Val Val Thr Asn His Leu Phe Cys His Ser Val Leu Gly
 50 55 60
 His Arg Ser Val Gly Met Val Ser Asp Leu Asp Ala Pro Thr Phe His
 65 70 75 80
 Val Arg Pro Arg Thr Val Pro Trp Ser Val Asp Ser Trp Ser Ala Leu
 85 90 95
 Thr Gly

<210> 1460
 <211> 98
 <212> PRT
 <213> Homo sapiens

<400> 1460
 Met Phe Ile Cys Phe Leu Thr Leu Leu Thr Pro Gly Phe Ser Leu Ser
 1 5 10 15
 Leu Arg Arg Lys His Tyr Leu Ile Thr Phe Arg Trp Phe Thr Tyr Ser
 20 25 30
 Val Lys Asn Met Cys Lys Tyr Phe Val Gln Ser Pro Val Ser Asn Lys
 35 40 45

Gln Pro Tyr Val Val Thr Asn His Leu Phe Cys His Ser Val Leu Gly
 50 55 60
 His Arg Ser Val Gly Met Val Ser Asp Leu Asp Ala Pro Thr Phe His
 65 70 75 80
 Val Arg Pro Arg Thr Val Pro Trp Ser Val Asp Ser Trp Ser Ala Leu
 85 90 95
 Thr Gly

<210> 1461
 <211> 33
 <212> PRT
 <213> Homo sapiens

<400> 1461
 Met Leu Val Leu Val Ser Gly Ile Ile Phe Ser Leu Ala Asp Arg Ser
 1 5 10 15
 Ser Ser Ser Thr Ile Arg Met Asp Ala Leu Ala Phe Leu Gln Gly Leu
 20 25 30
 Leu

<210> 1462
 <211> 89
 <212> PRT
 <213> Homo sapiens

<400> 1462
 Met Leu Val Leu Val Ser Gly Ile Ile Phe Ser Leu Ala Asp Arg Ser
 1 5 10 15
 Ser Ser Ser Thr Ile Arg Met Asp Ala Leu Ala Phe Leu Gln Gly Leu
 20 25 30
 Leu Gly Thr Glu Pro Ala Glu Ala Phe His Pro His Leu Pro Ile Leu
 35 40 45
 Leu Pro Pro Val Met Ala Cys Val Ala Asp Pro Phe Tyr Lys Ile Ala
 50 55 60
 Ala Arg Gly Pro Gly Gly Ala Ala Gly Ala Gly Ala Gly Pro Val Ala
 65 70 75 80
 Ala Ala Gln Ala Ser Asp Ala Gly Ser
 85

<210> 1463
<211> 125
<212> PRT
<213> Homo sapiens

<400> 1463
Met Tyr Phe Ile Phe Thr Ser Phe Trp Ala Tyr Lys Ile Tyr Tyr Val
1 5 10 15
Tyr Gly Phe Met Met Leu Val Leu Val Ile Leu Cys Ile Val Thr Val
20 25 30
Cys Val Thr Ile Val Cys Thr Tyr Phe Leu Leu Asn Ala Glu Asp Tyr
35 40 45
Arg Trp Gln Trp Thr Ser Phe Leu Ser Ala Ala Ser Thr Ala Ile Tyr
50 55 60
Val Tyr Met Tyr Ser Phe Tyr Tyr Tyr Phe Phe Lys Thr Lys Met Tyr
65 70 75 80
Gly Leu Phe Gln Thr Ser Phe Tyr Phe Gly Tyr Met Ala Val Phe Ser
85 90 95
Thr Ala Leu Gly Ile Met Cys Gly Ala Ile Gly Tyr Met Gly Thr Ser
100 105 110
Ala Phe Val Arg Lys Ile Tyr Thr Asn Val Lys Ile Asp
115 120 125

<210> 1464
<211> 125
<212> PRT
<213> Homo sapiens

<400> 1464
Met Tyr Phe Ile Phe Thr Ser Phe Trp Ala Tyr Lys Ile Tyr Tyr Val
1 5 10 15
Tyr Gly Phe Met Met Leu Val Leu Val Ile Leu Cys Ile Val Thr Val
20 25 30
Cys Val Thr Ile Val Cys Thr Tyr Phe Leu Leu Asn Ala Glu Asp Tyr
35 40 45
Arg Trp Gln Trp Thr Ser Phe Leu Ser Ala Ala Ser Thr Ala Ile Tyr
50 55 60
Val Tyr Met Tyr Ser Phe Tyr Tyr Tyr Phe Phe Lys Thr Lys Met Tyr
65 70 75 80
Gly Leu Phe Gln Thr Ser Phe Tyr Phe Gly Tyr Met Ala Val Phe Ser
85 90 95

Thr Ala Leu Gly Ile Met Cys Gly Ala Ile Gly Tyr Met Gly Thr Ser
100 105 110

Ala Phe Val Arg Lys Ile Tyr Thr Asn Val Lys Ile Asp
115 120 125

<210> 1465

<211> 250

<212> PRT

<213> Homo sapiens

<400> 1465

Met Arg Gly Thr Pro Lys Thr His Leu Leu Ala Phe Ser Leu Leu Cys
1 5 10 15

Leu Leu Ser Lys Val Arg Thr Gln Leu Cys Pro Thr Pro Cys Thr Cys
20 25 30

Pro Trp Pro Pro Pro Arg Cys Pro Leu Gly Val Pro Leu Val Leu Asp
35 40 45

Gly Cys Gly Cys Cys Arg Val Cys Ala Arg Arg Leu Gly Glu Pro Cys
50 55 60

Asp Gln Leu His Val Cys Asp Ala Ser Gln Gly Leu Val Cys Gln Pro
65 70 75 80

Gly Ala Gly Pro Gly Gly Arg Gly Ala Leu Cys Leu Leu Ala Glu Asp
85 90 95

Asp Ser Ser Cys Glu Val Asn Gly Arg Leu Tyr Arg Glu Gly Glu Thr
100 105 110

Phe Gln Pro His Cys Ser Ile Arg Cys Arg Cys Glu Asp Gly Gly Phe
115 120 125

Thr Cys Val Pro Leu Cys Ser Glu Asp Val Arg Leu Pro Ser Trp Asp
130 135 140

Cys Pro His Pro Arg Arg Val Glu Val Leu Gly Lys Cys Cys Pro Glu
145 150 155 160

Trp Val Cys Gly Gln Gly Gly Gly Leu Gly Thr Gln Pro Leu Pro Ala
165 170 175

Gln Gly Pro Gln Phe Ser Gly Leu Val Ser Ser Leu Pro Pro Gly Val
180 185 190

Pro Cys Pro Glu Trp Ser Thr Ala Trp Gly Pro Cys Ser Thr Thr Cys
195 200 205

Gly Leu Gly Met Ala Thr Arg Val Ser Asn Gln Asn Arg Phe Cys Arg
210 215 220

Leu Glu Thr Gln Arg Arg Leu Cys Leu Ser Arg Pro Cys Pro Pro Ser

225 230 235 240

Arg Gly Arg Ser Pro Gln Asn Ser Ala Phe

 245 250

<400> 1466															
Met	Arg	Gly	Thr	Pro	Lys	Thr	His	Leu	Leu	Ala	Phe	Ser	Leu	Leu	Cys
1				5				10					15		
Leu	Leu	Ser	Lys	Val	Arg	Thr	Gln	Leu	Cys	Pro	Thr	Pro	Cys	Thr	Cys
			20					25					30		
Pro	Trp	Pro	Pro	Pro	Arg	Cys	Pro	Leu	Gly	Val	Pro	Leu	Val	Leu	Asp
		35					40					45			
Gly	Cys	Gly	Cys	Cys	Arg	Val	Cys	Ala	Arg	Arg	Leu	Gly	Glu	Pro	Cys
	50					55					60				
Asp	Gln	Leu	His	Val	Cys	Asp	Ala	Ser	Gln	Gly	Leu	Val	Cys	Gln	Pro
65					70					75					80
Gly	Ala	Gly	Pro	Gly	Gly	Arg	Gly	Ala	Leu	Cys	Leu	Leu	Ala	Glu	Asp
				85					90					95	
Asp	Ser	Ser	Cys	Glu	Val	Asn	Gly	Arg	Leu	Tyr	Arg	Glu	Gly	Glu	Thr
			100					105					110		
Phe	Gln	Pro	His	Cys	Ser	Ile	Arg	Cys	Arg	Cys	Glu	Asp	Gly	Gly	Phe
		115					120					125			
Thr	Cys	Val	Pro	Leu	Cys	Ser	Glu	Asp	Val	Arg	Leu	Pro	Ser	Trp	Asp
	130					135					140				
Cys	Pro	His	Pro	Arg	Arg	Val	Glu	Val	Leu	Gly	Lys	Cys	Cys	Pro	Glu
145				150						155					160
Trp	Val	Cys	Gly	Gln	Gly	Gly	Gly	Leu	Gly	Thr	Gln	Pro	Leu	Pro	Ala
			165						170					175	
Gln	Gly	Pro	Gln	Phe	Ser	Gly	Leu	Val	Ser	Ser	Leu	Pro	Pro	Gly	Val
		180						185					190		
Pro	Cys	Pro	Glu	Trp	Ser	Thr	Ala	Trp	Gly	Pro	Cys	Ser	Thr	Thr	Cys
		195					200					205			
Gly	Leu	Gly	Met	Ala	Thr	Arg	Val	Ser	Asn	Gln	Asn	Arg	Phe	Cys	Arg
	210					215					220				
Leu	Glu	Thr	Gln	Arg	Arg	Leu	Cys	Leu	Ser	Arg	Pro	Cys	Pro	Pro	Ser
225				230						235					240

Arg Gly Arg Ser Pro Gln Asn Ser Ala Phe
 245 250

<210> 1467
 <211> 388
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (277)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1467
 Met Met Thr Ile Thr Phe Leu Pro Tyr Thr Phe Ser Leu Met Val Thr
 1 5 10 15
 Phe Pro Asp Val Pro Leu Gly Ile Phe Leu Phe Cys Val Cys Val Ile
 20 25 30
 Ala Ile Gly Val Val Gln Ala Leu Ile Val Gly Tyr Ala Phe His Phe
 35 40 45
 Pro His Leu Leu Ser Pro Gln Ile Gln Arg Ser Ala His Arg Ala Leu
 50 55 60
 Tyr Arg Arg His Val Leu Gly Ile Val Leu Gln Gly Pro Ala Leu Cys
 65 70 75 80
 Phe Ala Ala Ala Ile Phe Ser Leu Phe Phe Val Pro Leu Ser Tyr Leu
 85 90 95
 Leu Met Val Thr Val Ile Leu Leu Pro Tyr Val Ser Lys Val Thr Gly
 100 105 110
 Trp Cys Arg Asp Arg Leu Leu Gly His Arg Glu Pro Ser Ala His Pro
 115 120 125
 Val Glu Val Phe Ser Phe Asp Leu His Glu Pro Leu Ser Lys Glu Arg
 130 135 140
 Val Glu Ala Phe Ser Asp Gly Val Tyr Ala Ile Val Ala Thr Leu Leu
 145 150 155 160
 Ile Leu Asp Ile Cys Glu Asp Asn Val Pro Asp Pro Lys Asp Val Lys
 165 170 175
 Glu Arg Phe Ser Gly Ser Leu Val Ala Ala Leu Ser Ala Thr Gly Pro
 180 185 190
 Arg Phe Leu Ala Tyr Phe Gly Ser Phe Ala Thr Val Gly Leu Leu Trp
 195 200 205
 Phe Ala His His Ser Leu Phe Leu His Val Arg Lys Ala Thr Arg Ala

210	215	220
Met Gly Leu Leu Asn Thr Leu Ser Leu Ala Phe Val Gly Gly Leu Pro		
225	230	235 240
Leu Ala Tyr Gln Gln Thr Ser Ala Phe Ala Arg Gln Pro Arg Asp Glu		
	245	250 255
Leu Glu Arg Val Arg Val Ser Cys Thr Ile Ile Phe Leu Ala Ser Ile		
	260	265 270
Phe Gln Leu Ala Xaa Trp Thr Thr Ala Leu Leu His Gln Ala Glu Thr		
	275	280 285
Leu Gln Pro Ser Val Trp Phe Gly Gly Arg Glu His Val Leu Met Phe		
	290	295 300
Ala Lys Leu Ala Leu Tyr Pro Cys Ala Ser Leu Leu Ala Phe Ala Ser		
305	310	315 320
Thr Cys Leu Leu Ser Arg Phe Ser Val Gly Ile Phe His Leu Met Gln		
	325	330 335
Ile Ala Val Pro Cys Ala Phe Leu Leu Leu Arg Leu Leu Val Gly Leu		
	340	345 350
Ala Leu Ala Thr Leu Arg Val Leu Arg Gly Leu Ala Arg Pro Glu His		
	355	360 365
Pro Pro Pro Ala Pro Thr Gly Gln Asp Asp Pro Gln Ser Gln Leu Leu		
	370	375 380
Pro Ala Pro Cys		
385		

<210> 1468
 <211> 388
 <212> PRT
 <213> Homo sapiens

<400> 1468
 Met Met Thr Ile Thr Phe Leu Pro Tyr Thr Phe Ser Leu Met Val Thr
 1 5 10 15
 Phe Pro Asp Val Pro Leu Gly Ile Phe Leu Phe Cys Val Cys Val Ile
 20 25 30
 Ala Ile Gly Val Val Gln Ala Leu Ile Val Gly Tyr Ala Phe His Phe
 35 40 45
 Pro His Leu Leu Ser Pro Gln Ile Gln Arg Ser Ala His Arg Ala Leu
 50 55 60
 Tyr Arg Arg His Val Leu Gly Ile Val Leu Gln Gly Pro Ala Leu Cys
 65 70 75 80

Phe	Ala	Ala	Ala	Ile	Phe	Ser	Leu	Phe	Phe	Val	Pro	Leu	Ser	Tyr	Leu
85								90				95			
Leu	Met	Val	Thr	Val	Ile	Leu	Leu	Pro	Tyr	Val	Ser	Lys	Val	Thr	Gly
100								105				110			
Trp	Cys	Arg	Asp	Arg	Leu	Leu	Gly	His	Arg	Glu	Pro	Ser	Ala	His	Pro
115								120				125			
Val	Glu	Val	Phe	Ser	Phe	Asp	Leu	His	Glu	Pro	Leu	Ser	Lys	Glu	Arg
130								135				140			
Val	Glu	Ala	Phe	Ser	Asp	Gly	Val	Tyr	Ala	Ile	Val	Ala	Thr	Leu	Leu
145								150				155			
Ile	Leu	Asp	Ile	Cys	Glu	Asp	Asn	Val	Pro	Asp	Pro	Lys	Asp	Val	Lys
165								170				175			
Glu	Arg	Phe	Ser	Gly	Ser	Leu	Val	Ala	Ala	Leu	Ser	Ala	Thr	Gly	Pro
180								185				190			
Arg	Phe	Leu	Ala	Tyr	Phe	Gly	Ser	Phe	Ala	Thr	Val	Gly	Leu	Leu	Trp
195								200				205			
Phe	Ala	His	His	Ser	Leu	Phe	Leu	His	Val	Arg	Lys	Ala	Thr	Arg	Ala
210								215				220			
Met	Gly	Leu	Leu	Asn	Thr	Leu	Ser	Leu	Ala	Phe	Val	Gly	Gly	Leu	Pro
225								230				235			
Leu	Ala	Tyr	Gln	Gln	Thr	Ser	Ala	Phe	Ala	Arg	Gln	Pro	Arg	Asp	Glu
245								250				255			
Leu	Glu	Arg	Val	Arg	Val	Ser	Cys	Thr	Ile	Ile	Phe	Leu	Ala	Ser	Ile
260								265				270			
Phe	Gln	Leu	Ala	Met	Trp	Thr	Thr	Ala	Leu	Leu	His	Gln	Ala	Glu	Thr
275								280				285			
Leu	Gln	Pro	Ser	Val	Trp	Phe	Gly	Gly	Arg	Glu	His	Val	Leu	Met	Phe
290								295				300			
Ala	Lys	Leu	Ala	Leu	Tyr	Pro	Cys	Ala	Ser	Leu	Leu	Ala	Phe	Ala	Ser
305								310				315			
Thr	Cys	Leu	Leu	Ser	Arg	Phe	Ser	Val	Gly	Ile	Phe	His	Leu	Met	Gln
325								330				335			
Ile	Ala	Val	Pro	Cys	Ala	Phe	Leu	Leu	Leu	Arg	Leu	Leu	Val	Gly	Leu
340								345				350			
Ala	Leu	Ala	Thr	Leu	Arg	Val	Leu	Arg	Gly	Leu	Ala	Arg	Pro	Glu	His
355								360				365			
Pro	Pro	Pro	Ala	Pro	Thr	Gly	Gln	Asp	Asp	Pro	Gln	Ser	Gln	Leu	Leu
370								375				380			

Pro Ala Pro Cys
385

<210> 1469
<211> 262
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (231)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1469
Met Ser Pro Pro Pro Leu Leu Gln Pro Leu Leu Leu Leu Leu Pro Leu
1 5 10 15

Leu Asn Val Glu Pro Ser Gly Ala Thr Leu Ile Arg Ile Pro Leu His
20 25 30

Arg Val Gln Pro Gly Arg Arg Ile Leu Asn Leu Leu Arg Gly Trp Arg
35 40 45

Glu Pro Ala Glu Leu Pro Lys Leu Gly Ala Pro Ser Pro Gly Asp Lys
50 55 60

Pro Ile Phe Val Pro Leu Ser Asn Tyr Arg Asp Val Gln Tyr Phe Gly
65 70 75 80

Glu Ile Gly Leu Gly Thr Pro Pro Gln Asn Phe Thr Val Ala Phe Asp
85 90 95

Thr Gly Ser Ser Asn Leu Trp Val Pro Ser Arg Arg Cys His Phe Phe
100 105 110

Ser Val Pro Cys Trp Leu His His Arg Phe Asp Pro Lys Ala Ser Ser
115 120 125

Ser Phe Gln Ala Asn Gly Thr Lys Phe Ala Ile Gln Tyr Gly Thr Gly
130 135 140

Arg Val Asp Gly Ile Leu Ser Glu Asp Lys Leu Thr Ile Gly Gly Ile
145 150 155 160

Lys Gly Ala Ser Val Ile Phe Gly Glu Ala Leu Trp Glu Pro Ser Leu
165 170 175

Val Phe Ala Phe Ala His Phe Asp Gly Ile Leu Gly Leu Gly Phe Pro
180 185 190

Ile Leu Ser Val Glu Gly Val Arg Pro Pro Met Asp Val Leu Val Glu
195 200 205

Gln Gly Leu Leu Asp Lys Pro Val Phe Ser Phe Tyr Leu Asn Arg Asp

210	215	220
Pro Glu Glu Pro Asp Gly Xaa Glu Leu Val Leu Gly Gly Ser Asp Pro		
225	230	235 240
Ala His Tyr Ile Pro Pro Ser Pro Phe Val Pro Val Arg Ser Pro Pro		
	245	250 255
Met Ala Asp Pro Gln Gly		
	260	

<210> 1470
 <211> 145
 <212> PRT
 <213> Homo sapiens

<400> 1470
 Met Ser Pro Pro Pro Leu Leu Gln Pro Leu Leu Leu Leu Leu Pro Leu
 1 5 10 15
 Leu Asn Val Glu Pro Ser Gly Ala Thr Leu Ile Arg Ile Pro Leu His
 20 25 30
 Arg Val Gln Pro Gly Arg Arg Ile Leu Asn Leu Leu Arg Gly Trp Arg
 35 40 45
 Glu Pro Ala Glu Leu Pro Lys Leu Gly Ala Pro Ser Pro Gly Asp Lys
 50 55 60
 Pro Ile Phe Val Pro Leu Ser Asn Tyr Arg Asp Val Gln Tyr Phe Gly
 65 70 75 80
 Glu Ile Gly Leu Gly Thr Pro Pro Gln Asn Phe Thr Val Ala Phe Asp
 85 90 95
 Thr Gly Ser Ser Asn Leu Trp Val Pro Ser Arg Arg Cys His Phe Phe
 100 105 110
 Ser Val Pro Cys Trp Leu His His Arg Phe Asp Pro Lys Ala Ser Ser
 115 120 125
 Ser Phe Arg Pro Met Gly Pro Ser Leu Pro Phe Asn Met Glu Leu Gly
 130 135 140
 Gly
 145

<210> 1471
 <211> 212
 <212> PRT
 <213> Homo sapiens
 <220>

<221> SITE

<222> (9)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1471

Gly Ser Ala Gly Thr Ala Arg Ile Xaa Gly Ser Thr Thr Arg Pro Asp
1 5 10 15

Pro Glu Glu Pro Asp Gly Gly Glu Leu Val Leu Gly Gly Ser Asp Pro
20 25 30

Ala His Tyr Ile Pro Pro Leu Thr Phe Val Pro Val Thr Val Pro Ala
35 40 45

Tyr Trp Gln Ile His Met Glu Arg Val Lys Val Gly Pro Gly Leu Thr
50 55 60

Leu Cys Ala Lys Gly Cys Ala Ala Ile Leu Asp Thr Gly Thr Ser Leu
65 70 75 80

Ile Thr Gly Pro Thr Glu Glu Ile Arg Ala Leu His Ala Ala Ile Gly
85 90 95

Gly Ile Pro Leu Leu Ala Gly Glu Tyr Ile Ile Leu Cys Ser Glu Ile
100 105 110

Pro Lys Leu Pro Ala Val Ser Phe Leu Leu Gly Gly Val Trp Phe Asn
115 120 125

Leu Thr Ala His Asp Tyr Val Ile Gln Thr Thr Arg Asn Gly Val Arg
130 135 140

Leu Cys Leu Ser Gly Phe Gln Ala Leu Asp Val Pro Pro Pro Ala Gly
145 150 155 160

Pro Phe Trp Ile Leu Gly Asp Val Phe Leu Gly Thr Tyr Val Ala Val
165 170 175

Phe Asp Arg Gly Asp Met Lys Ser Ser Ala Arg Val Gly Leu Ala Arg
180 185 190

Ala Arg Thr Arg Gly Ala Asp Leu Gly Trp Gly Glu Thr Ala Gln Ala
195 200 205

Gln Phe Pro Gly
210

<210> 1472

<211> 150

<212> PRT

<213> Homo sapiens

<400> 1472

Met Val Met Ile Leu Phe Val Ala Phe Ile Thr Cys Trp Glu Glu Val
1 5 10 15

Thr Thr Leu Val Gln Ala Ile Arg Ile Thr Ser Tyr Met Asn Glu Thr
20 25 30

Ile Leu Tyr Phe Pro Phe Ser Ser His Ser Ser Tyr Thr Val Arg Ser
35 40 45

Lys Lys Ile Phe Leu Ser Lys Leu Ile Val Cys Phe Leu Ser Thr Trp
50 55 60

Leu Pro Phe Val Leu Leu Gln Val Ile Ile Val Leu Leu Lys Val Gln
65 70 75 80

Ile Pro Ala Tyr Ile Glu Met Asn Ile Pro Trp Leu Tyr Phe Val Asn
85 90 95

Ser Phe Leu Ile Ala Thr Val Tyr Trp Phe Asn Cys His Lys Leu Asn
100 105 110

Leu Lys Asp Ile Gly Leu Pro Leu Asp Pro Phe Val Asn Trp Lys Cys
115 120 125

Cys Phe Ile Pro Leu Thr Ile Pro Asn Leu Glu Gln Ile Glu Lys Pro
130 135 140

Ile Ser Ile Met Ile Cys
145 150

<210> 1473
<211> 150
<212> PRT
<213> Homo sapiens

<400> 1473
Met Val Met Ile Leu Phe Val Ala Phe Ile Thr Cys Trp Glu Glu Val
1 5 10 15

Thr Thr Leu Val Gln Ala Ile Arg Ile Thr Ser Tyr Met Asn Glu Thr
20 25 30

Ile Leu Tyr Phe Pro Phe Ser Ser His Ser Ser Tyr Thr Val Arg Ser
35 40 45

Lys Lys Ile Phe Leu Ser Lys Leu Ile Val Cys Phe Leu Ser Thr Trp
50 55 60

Leu Pro Phe Val Leu Leu Gln Val Ile Ile Val Leu Leu Lys Val Gln
65 70 75 80

Ile Pro Ala Tyr Ile Glu Met Asn Ile Pro Trp Leu Tyr Phe Val Asn
85 90 95

Ser Phe Leu Ile Ala Thr Val Tyr Trp Phe Asn Cys His Lys Leu Asn
100 105 110

Leu Lys Asp Ile Gly Leu Pro Leu Asp Pro Phe Val Asn Trp Lys Cys
115 120 125

Cys Phe Ile Pro Leu Thr Ile Pro Asn Leu Glu Gln Ile Glu Lys Pro
130 135 140

Ile Ser Ile Met Ile Cys
145 150

<210> 1474
<211> 353
<212> PRT
<213> Homo sapiens

<400> 1474
Met Arg Tyr Leu Leu Pro Ser Val Val Leu Leu Gly Thr Ala Pro Thr
1 5 10 15

Tyr Val Leu Ala Trp Gly Val Trp Arg Leu Leu Ser Ala Phe Leu Pro
20 25 30

Ala Arg Phe Tyr Gln Ala Leu Asp Asp Arg Leu Tyr Cys Val Tyr Gln
35 40 45

Ser Met Val Leu Phe Phe Phe Glu Asn Tyr Thr Gly Val Gln Ile Leu
50 55 60

Leu Tyr Gly Asp Leu Pro Lys Asn Lys Glu Asn Ile Ile Tyr Leu Ala
65 70 75 80

Asn His Gln Ser Thr Val Asp Trp Ile Val Ala Asp Ile Leu Ala Ile
85 90 95

Arg Gln Asn Ala Leu Gly His Val Arg Tyr Val Leu Lys Glu Gly Leu
100 105 110

Lys Trp Leu Pro Leu Tyr Gly Cys Tyr Phe Ala Gln His Gly Gly Ile
115 120 125

Tyr Val Lys Arg Ser Ala Lys Phe Asn Glu Lys Glu Met Arg Asn Lys
130 135 140

Leu Gln Ser Tyr Val Asp Ala Gly Thr Pro Met Tyr Leu Val Ile Phe
145 150 155 160

Pro Glu Gly Thr Arg Tyr Asn Pro Glu Gln Thr Lys Val Leu Ser Ala
165 170 175

Ser Gln Ala Phe Ala Ala Gln Arg Gly Leu Ala Val Leu Lys His Val
180 185 190

Leu Thr Pro Arg Ile Lys Ala Thr His Val Ala Phe Asp Cys Met Lys
195 200 205

Asn Tyr Leu Asp Ala Ile Tyr Asp Val Thr Val Val Tyr Glu Gly Lys

210	215	220
Asp Asp Gly Gly Gln Arg Arg Glu Ser Pro Thr Met Thr Glu Phe Leu		
225	230	235 240
Cys Lys Glu Cys Pro Lys Ile His Ile His Ile Asp Arg Ile Asp Lys		
	245	250 255
Lys Asp Val Pro Glu Glu Gln Glu His Met Arg Arg Trp Leu His Glu		
	260	265 270
Arg Phe Glu Ile Lys Asp Lys Met Leu Ile Glu Phe Tyr Glu Ser Pro		
	275	280 285
Asp Pro Glu Arg Arg Lys Arg Phe Pro Gly Lys Ser Val Asn Ser Lys		
	290	295 300
Leu Ser Ile Lys Lys Thr Leu Pro Ser Met Leu Ile Leu Ser Gly Leu		
	305	310 315 320
Thr Ala Gly Met Leu Met Thr Asp Ala Gly Arg Lys Leu Tyr Val Asn		
	325	330 335
Thr Trp Ile Tyr Gly Thr Leu Leu Gly Cys Leu Trp Val Thr Ile Lys		
	340	345 350

Ala

<210> 1475
 <211> 353
 <212> PRT
 <213> Homo sapiens

<400> 1475

Met Arg Tyr Leu Leu Pro Ser Val Val Leu Leu Gly Thr Ala Pro Thr		
1	5	10 15
Tyr Val Leu Ala Trp Gly Val Trp Arg Leu Leu Ser Ala Phe Leu Pro		
	20	25 30
Ala Arg Phe Tyr Gln Ala Leu Asp Asp Arg Leu Tyr Cys Val Tyr Gln		
	35	40 45
Ser Met Val Leu Phe Phe Phe Glu Asn Tyr Thr Gly Val Gln Ile Leu		
	50	55 60
Leu Tyr Gly Asp Leu Pro Lys Asn Lys Glu Asn Ile Ile Tyr Leu Ala		
	65	70 75 80
Asn His Gln Ser Thr Val Asp Trp Ile Val Ala Asp Ile Leu Ala Ile		
	85	90 95
Arg Gln Asn Ala Leu Gly His Val Arg Tyr Val Leu Lys Glu Gly Leu		
	100	105 110

Lys Trp Leu Pro Leu Tyr Gly Cys Tyr Phe Ala Gln His Gly Gly Ile
 115 120 125
 Tyr Val Lys Arg Ser Ala Lys Phe Asn Glu Lys Glu Met Arg Asn Lys
 130 135 140
 Leu Gln Ser Tyr Val Asp Ala Gly Thr Pro Met Tyr Leu Val Ile Phe
 145 150 155 160
 Pro Glu Gly Thr Arg Tyr Asn Pro Glu Gln Thr Lys Val Leu Ser Ala
 165 170 175
 Ser Gln Ala Phe Ala Ala Gln Arg Gly Leu Ala Val Leu Lys His Val
 180 185 190
 Leu Thr Pro Arg Ile Lys Ala Thr His Val Ala Phe Asp Cys Met Lys
 195 200 205
 Asn Tyr Leu Asp Ala Ile Tyr Asp Val Thr Val Val Tyr Glu Gly Lys
 210 215 220
 Asp Asp Gly Gly Gln Arg Arg Glu Ser Pro Thr Met Thr Glu Phe Leu
 225 230 235 240
 Cys Lys Glu Cys Pro Lys Ile His Ile His Ile Asp Arg Ile Asp Lys
 245 250 255
 Lys Asp Val Pro Glu Glu Gln Glu His Met Arg Arg Trp Leu His Glu
 260 265 270
 Arg Phe Glu Ile Lys Asp Lys Met Leu Ile Glu Phe Tyr Glu Ser Pro
 275 280 285
 Asp Pro Glu Arg Arg Lys Arg Phe Pro Gly Lys Ser Val Asn Ser Lys
 290 295 300
 Leu Ser Ile Lys Lys Thr Leu Pro Ser Met Leu Ile Leu Ser Gly Leu
 305 310 315 320
 Thr Ala Gly Met Leu Met Thr Asp Ala Gly Arg Lys Leu Tyr Val Asn
 325 330 335
 Thr Trp Ile Tyr Gly Thr Leu Leu Gly Cys Leu Trp Val Thr Ile Lys
 340 345 350
 Ala

<210> 1476
 <211> 80
 <212> PRT
 <213> Homo sapiens
 <220>

<221> SITE

<222> (11)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1476

```
Met Thr His Cys Leu Leu His Gly Met Gly Xaa Ala Gly Ala Ala Ser
 1           5           10           15

Leu Thr Pro Lys Pro Met Ser Leu Ile Ser Ala Tyr Cys Gly Gly Leu
          20           25           30

Trp Leu Ala Ala Val Ala Val Met Val Gln Met Ala Ala Leu Cys Gly
          35           40           45

Ala Gln Asp Ile Gln Asp Lys Phe Ser Ser Ile Leu Ser Arg Gly Gln
          50           55           60

Glu Ala Tyr Glu Arg Leu Leu Trp Asn Gly Glu Phe Gly Glu Pro Lys
          65           70           75           80
```

<210> 1477

<211> 415

<212> PRT

<213> Homo sapiens

<400> 1477

```
Val Gly Leu Val Ser Met Leu Gly Ile Pro Ile Pro Gly Ala Glu Gly
 1           5           10           15

Ala Pro Val Leu Asn Ser Leu Val Phe Leu Ser Gly Gln Ser Thr Pro
          20           25           30

Thr Gln Lys Gly Val Gly Ile Ala Gly Ala Val Cys Val Ser Ser Lys
          35           40           45

Leu Arg Pro Arg Gly Gln Cys Arg Leu Glu Phe Ser Leu Ala Trp Asp
          50           55           60

Met Pro Arg Ile Met Phe Gly Ala Lys Gly Gln Val His Tyr Arg Arg
          65           70           75           80

Tyr Thr Arg Phe Phe Gly Gln Asp Gly Asp Ala Ala Pro Ala Leu Ser
          85           90           95

His Tyr Ala Leu Cys Arg Tyr Ala Glu Trp Glu Glu Arg Ile Ser Ala
          100          105          110

Trp Gln Ser Pro Val Leu Asp Asp Arg Ser Leu Pro Ala Trp Tyr Lys
          115          120          125

Ser Ala Leu Phe Asn Glu Leu Tyr Phe Leu Ala Asp Gly Gly Thr Val
          130          135          140
```


Trp Leu Glu Val Leu Glu Asp Ser Leu Pro Glu Glu Leu Gly Arg Asn
 145 150 155 160

Met Cys His Leu Arg Pro Thr Leu Arg Asp Tyr Gly Arg Phe Gly Tyr
 165 170 175

Leu Glu Gly Gln Glu Tyr Arg Met Tyr Asn Thr Tyr Asp Val His Phe
 180 185 190

Tyr Ala Ser Phe Ala Leu Ile Met Leu Trp Pro Lys Leu Glu Leu Ser
 195 200 205

Leu Gln Tyr Asp Met Ala Leu Ala Thr Leu Arg Glu Asp Leu Thr Arg
 210 215 220

Arg Arg Tyr Leu Met Ser Gly Val Met Ala Pro Val Lys Arg Arg Asn
 225 230 235 240

Val Ile Pro His Asp Ile Gly Asp Pro Asp Asp Glu Pro Trp Leu Arg
 245 250 255

Val Asn Ala Tyr Leu Ile His Asp Thr Ala Asp Trp Lys Asp Leu Asn
 260 265 270

Leu Lys Phe Val Leu Gln Val Tyr Arg Asp Tyr Tyr Leu Thr Gly Asp
 275 280 285

Gln Asn Phe Leu Lys Asp Met Trp Pro Val Cys Leu Ala Val Met Glu
 290 295 300

Ser Glu Met Lys Phe Asp Lys Asp His Asp Gly Leu Ile Glu Asn Gly
 305 310 315 320

Gly Tyr Ala Asp Gln Thr Tyr Asp Gly Trp Val Thr Thr Gly Pro Ser
 325 330 335

Ala Tyr Cys Gly Gly Leu Trp Leu Ala Ala Val Ala Val Met Val Gln
 340 345 350

Met Ala Ala Leu Cys Gly Ala Gln Asp Ile Gln Asp Lys Phe Ser Ser
 355 360 365

Ile Leu Ser Arg Gly Gln Glu Ala Tyr Glu Arg Leu Leu Trp Asn Gly
 370 375 380

Arg Tyr Tyr Asn Tyr Asp Ser Ser Ser Arg Pro Gln Ser Arg Ser Val
 385 390 395 400

Met Ser Asp Gln Cys Ala Gly Gln Trp Phe Leu Lys Ala Cys Gly
 405 410 415

<210> 1478

<211> 86

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (75)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1478

Met Ser Leu Gly Gly Ser Gln Ser Ser Leu Val Ser Trp Arg Ala Thr
1 5 10 15

Gln Ile Ala Cys Met Thr Leu Ser Trp Pro Leu Trp Thr Cys Trp Leu
20 25 30

Ala Ala Pro Leu Ser Leu Thr Lys Ser Pro Trp Arg Gln Trp Ser Thr
35 40 45

His Val Lys Gly Phe Asn Leu Ala Ser Ser Gln Ala Glu Val Gln Pro
50 55 60

Val Gly Gln Thr Leu Ala Ser Glu Lys Lys Xaa Leu Gln Glu Val Leu
65 70 75 80

Ala Arg Ala Ile Gln His
85

<210> 1479

<211> 159

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (153)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (158)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1479

Met His Arg Leu Ile Phe Val Tyr Thr Leu Ile Cys Ala Asn Phe Cys
1 5 10 15

Ser Cys Arg Asp Thr Ser Ala Thr Pro Gln Ser Ala Ser Ile Lys Ala
20 25 30

Leu Arg Asn Ala Asn Leu Arg Arg Asp Glu Ser Asn His Leu Thr Asp
35 40 45

Leu Tyr Arg Arg Asp Glu Thr Ile Gln Val Lys Gly Asn Gly Tyr Val
50 55 60

Gln Ser Pro Arg Phe Pro Asn Ser Tyr Pro Arg Asn Leu Leu Leu Thr

65		70		75		80									
Trp	Arg	Leu	His	Ser	Gln	Glu	Asn	Thr	Arg	Ile	Gln	Leu	Val	Val	Asp
				85					90					95	
Asn	Gln	Phe	Gly	Leu	Glu	Glu	Ala	Glu	Asn	Asp	Ile	Cys	Arg	Tyr	Asp
			100					105					110		
Phe	Val	Glu	Val	Glu	Asp	Ile	Ser	Glu	Thr	Ser	Thr	Ile	Ile	Arg	Gly
		115						120					125		
Arg	Trp	Cys	Gly	His	Lys	Glu	Val	Pro	Pro	Arg	Ile	Lys	Ser	Arg	Thr
	130					135					140				
Asn	His	Ile	Lys	Ile	Thr	Phe	Lys	Xaa	Asp	Asp	Tyr	Phe	Xaa	Ala	
145					150					155					

<210> 1480
 <211> 89
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (33)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (63)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1480															
Leu	Ile	Ile	Lys	Lys	Gly	Lys	Ile	Trp	Phe	Pro	Glu	Lys	Arg	Pro	Ile
1				5					10					15	
Pro	Lys	His	Phe	Phe	His	Glu	Lys	His	Cys	Ile	Leu	Thr	Tyr	Val	Asp
			20					25					30		
Xaa	Asn	Asn	Leu	Ser	Pro	Lys	Pro	Cys	His	Asn	Asn	Ile	Ser	Ala	Leu
		35					40					45			
Glu	Ile	Lys	Ser	Leu	Cys	Phe	Leu	Cys	Ile	Leu	Leu	Arg	His	Xaa	Tyr
	50					55					60				
Ser	Phe	Asn	Thr	Tyr	Leu	Lys	Asn	Leu	Leu	Arg	Arg	Phe	Phe	Ile	Ile
65					70					75					80
Val	Leu	Gln	Lys	Thr	Met	Tyr	Lys	Leu							
					85										

<210> 1481
 <211> 370

<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (216)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1481

Met	His	Arg	Leu	Ile	Phe	Val	Tyr	Thr	Leu	Ile	Cys	Ala	Asn	Phe	Cys	
1				5					10					15		
Ser	Cys	Arg	Asp	Thr	Ser	Ala	Thr	Pro	Gln	Ser	Ala	Ser	Ile	Lys	Ala	
			20					25					30			
Leu	Arg	Asn	Ala	Asn	Leu	Arg	Arg	Asp	Glu	Ser	Asn	His	Leu	Thr	Asp	.
		35					40				45					
Leu	Tyr	Arg	Arg	Asp	Glu	Thr	Ile	Gln	Val	Lys	Gly	Asn	Gly	Tyr	Val	
	50					55					60					
Gln	Ser	Pro	Arg	Phe	Pro	Asn	Ser	Tyr	Pro	Arg	Asn	Leu	Leu	Leu	Thr	
65					70				75						80	
Trp	Arg	Leu	His	Ser	Gln	Glu	Asn	Thr	Arg	Ile	Gln	Leu	Val	Phe	Asp	
			85					90						95		
Asn	Gln	Phe	Gly	Leu	Glu	Glu	Ala	Glu	Asn	Asp	Ile	Cys	Arg	Tyr	Asp	
		100						105					110			
Phe	Val	Glu	Val	Glu	Asp	Ile	Ser	Glu	Thr	Ser	Thr	Ile	Ile	Arg	Gly	
	115						120					125				
Arg	Trp	Cys	Gly	His	Lys	Glu	Val	Pro	Pro	Arg	Ile	Lys	Ser	Arg	Thr	
	130					135					140					
Asn	Gln	Ile	Lys	Ile	Thr	Phe	Lys	Ser	Asp	Asp	Tyr	Phe	Val	Ala	Lys	
145				150					155						160	
Pro	Gly	Phe	Lys	Ile	Tyr	Tyr	Ser	Leu	Leu	Glu	Asp	Phe	Gln	Pro	Ala	
			165					170						175		
Ala	Ala	Ser	Glu	Thr	Asn	Trp	Glu	Ser	Val	Thr	Ser	Ser	Ile	Ser	Gly	
		180					185						190			
Val	Ser	Tyr	Asn	Ser	Pro	Ser	Val	Thr	Asp	Pro	Thr	Leu	Ile	Ala	Asp	
	195						200					205				
Ala	Leu	Asp	Lys	Lys	Ile	Ala	Xaa	Phe	Asp	Thr	Val	Glu	Asp	Leu	Leu	
	210				215						220					
Lys	Tyr	Phe	Asn	Pro	Glu	Ser	Trp	Gln	Glu	Asp	Leu	Glu	Asn	Met	Tyr	
225				230					235						240	
Leu	Asp	Thr	Pro	Arg	Tyr	Arg	Gly	Arg	Ser	Tyr	His	Asp	Arg	Lys	Ser	
			245					250						255		

Lys Val Asp Leu Asp Arg Leu Asn Asp Asp Ala Lys Arg Tyr Ser Cys
 260 265 270
 Thr Pro Arg Asn Tyr Ser Val Asn Ile Arg Glu Glu Leu Lys Leu Ala
 275 280 285
 Asn Val Val Phe Phe Pro Arg Cys Leu Leu Val Gln Arg Cys Gly Gly
 290 295 300
 Asn Cys Gly Cys Gly Thr Val Asn Trp Arg Ser Cys Thr Cys Asn Ser
 305 310 315 320
 Gly Lys Thr Val Lys Lys Tyr His Glu Val Leu Gln Phe Glu Pro Gly
 325 330 335
 His Ile Lys Arg Arg Gly Arg Ala Lys Thr Met Ala Leu Val Asp Ile
 340 345 350
 Gln Leu Asp His His Glu Arg Cys Asp Cys Ile Cys Ser Ser Arg Pro
 355 360 365
 Pro Arg
 370

<210> 1482
 <211> 370
 <212> PRT
 <213> Homo sapiens

<400> 1482
 Met His Arg Leu Ile Phe Val Tyr Thr Leu Ile Cys Ala Asn Phe Cys
 1 5 10 15
 Ser Cys Arg Asp Thr Ser Ala Thr Pro Gln Ser Ala Ser Ile Lys Ala
 20 25 30
 Leu Arg Asn Ala Asn Leu Arg Arg Asp Glu Ser Asn His Leu Thr Asp
 35 40 45
 Leu Tyr Arg Arg Asp Glu Thr Ile Gln Val Lys Gly Asn Gly Tyr Val
 50 55 60
 Gln Ser Pro Arg Phe Pro Asn Ser Tyr Pro Arg Asn Leu Leu Leu Thr
 65 70 75 80
 Trp Arg Leu His Ser Gln Glu Asn Thr Arg Ile Gln Leu Val Phe Asp
 85 90 95
 Asn Gln Phe Gly Leu Glu Glu Ala Glu Asn Asp Ile Cys Arg Tyr Asp
 100 105 110
 Phe Val Glu Val Glu Asp Ile Ser Glu Thr Ser Thr Ile Ile Arg Gly
 115 120 125
 Arg Trp Cys Gly His Lys Glu Val Pro Pro Arg Ile Lys Ser Arg Thr

130	135	140
Asn Gln Ile Lys Ile Thr Phe Lys Ser Asp Asp Tyr Phe Val Ala Lys		
145	150	155 160
Pro Gly Phe Lys Ile Tyr Tyr Ser Leu Leu Glu Asp Phe Gln Pro Ala		
	165	170 175
Ala Ala Ser Glu Thr Asn Trp Glu Ser Val Thr Ser Ser Ile Ser Gly		
	180	185 190
Val Ser Tyr Asn Ser Pro Ser Val Thr Asp Pro Thr Leu Ile Ala Asp		
	195	200 205
Ala Leu Asp Lys Lys Ile Ala Glu Phe Asp Thr Val Glu Asp Leu Leu		
	210	215 220
Lys Tyr Phe Asn Pro Glu Ser Trp Gln Glu Asp Leu Glu Asn Met Tyr		
	225	230 235 240
Leu Asp Thr Pro Arg Tyr Arg Gly Arg Ser Tyr His Asp Arg Lys Ser		
	245	250 255
Lys Val Asp Leu Asp Arg Leu Asn Asp Asp Ala Lys Arg Tyr Ser Cys		
	260	265 270
Thr Pro Arg Asn Tyr Ser Val Asn Ile Arg Glu Glu Leu Lys Leu Ala		
	275	280 285
Asn Val Val Phe Phe Pro Arg Cys Leu Leu Val Gln Arg Cys Gly Gly		
	290	295 300
Asn Cys Gly Cys Gly Thr Val Asn Trp Arg Ser Cys Thr Cys Asn Ser		
	305	310 315 320
Gly Lys Thr Val Lys Lys Tyr His Glu Val Leu Gln Phe Glu Pro Gly		
	325	330 335
His Ile Lys Arg Arg Gly Arg Ala Lys Thr Met Ala Leu Val Asp Ile		
	340	345 350
Gln Leu Asp His His Glu Arg Cys Asp Cys Ile Cys Ser Ser Arg Pro		
	355	360 365
Pro Arg		
370		

<210> 1483
 <211> 229
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (206)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1483

```
Met Tyr Lys Leu Leu Leu Phe Asp Leu Leu Thr Val Leu Ala Val Ala
  1           5           10           15

Leu Leu Ile Gln Phe Pro Arg Lys Leu Leu Cys Gly Leu Cys Pro Gly
      20           25           30

Ala Leu Gly Arg Leu Ala Gly Thr Gln Glu Phe Gln Val Pro Asp Glu
      35           40           45

Val Leu Gly Leu Ile Tyr Ala Gln Thr Val Val Trp Val Gly Ser Phe
      50           55           60

Phe Cys Pro Leu Leu Pro Leu Leu Asn Thr Val Lys Phe Leu Leu Leu
      65           70           75           80

Phe Tyr Leu Lys Lys Leu Thr Leu Phe Ser Thr Cys Ser Pro Ala Ala
      85           90           95

Arg Thr Phe Arg Ala Ser Ala Ala Asn Phe Phe Phe Pro Leu Val Leu
      100          105          110

Leu Leu Gly Leu Ala Ile Ser Ser Val Pro Leu Leu Tyr Ser Ile Phe
      115          120          125

Leu Ile Pro Pro Ser Lys Leu Cys Gly Pro Phe Arg Gly Gln Ser Ser
      130          135          140

Ile Trp Ala Gln Ile Pro Glu Ser Ile Ser Ser Leu Pro Glu Thr Thr
      145          150          155          160

Gln Asn Phe Leu Phe Phe Leu Gly Thr Gln Ala Phe Ala Val Pro Leu
      165          170          175

Leu Leu Ile Ser Ser Ile Leu Met Ala Tyr Thr Val Ala Leu Ala Asn
      180          185          190

Ser Tyr Gly Arg Leu Ile Ser Glu Leu Lys Arg Gln Arg Xaa Thr Glu
      195          200          205

Ala Gln Asn Lys Val Phe Leu Ala Arg Arg Ala Val Ala Leu Thr Ser
      210          215          220

Thr Lys Pro Ala Leu
225
```

<210> 1484

<211> 85

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (33)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (62)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1484

Phe Leu Gly Thr Gln Ala Phe Ala Val Pro Leu Leu Leu Ile Ser Arg
1 5 10 15

Ser Gln Thr Phe Gly Tyr Asn Gly Arg Ala Cys Gln Glu Trp Leu Pro
20 25 30

Xaa Leu Ile Ser Ser Ile Leu Met Ala Tyr Thr Val Ala Leu Ala Asn
35 40 45

Ser Tyr Gly Arg Leu Ile Ser Glu Leu Lys Arg Gln Arg Xaa Thr Glu
50 55 60

Ala Gln Asn Lys Val Phe Leu Ala Arg Arg Ala Val Ala Leu Thr Ser
65 70 75 80

Thr Lys Pro Ala Leu
85

<210> 1485

<211> 229

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (206)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1485

Met Tyr Lys Leu Leu Leu Phe Asp Leu Leu Thr Val Leu Ala Val Ala
1 5 10 15

Leu Leu Ile Gln Phe Pro Arg Lys Leu Leu Cys Gly Leu Cys Pro Gly
20 25 30

Ala Leu Gly Arg Leu Ala Gly Thr Gln Glu Phe Gln Val Pro Asp Glu
35 40 45

Val Leu Gly Leu Ile Tyr Ala Gln Thr Val Val Trp Val Gly Ser Phe
50 55 60

Phe Cys Pro Leu Leu Pro Leu Leu Asn Thr Val Lys Phe Leu Leu Leu
65 70 75 80

Phe Tyr Leu Lys Lys Leu Thr Leu Phe Ser Thr Cys Ser Pro Ala Ala
85 90 95

Arg Thr Phe Arg Ala Ser Ala Ala Asn Phe Phe Phe Pro Leu Val Leu
 100 105 110
 Leu Leu Gly Leu Ala Ile Ser Ser Val Pro Leu Leu Tyr Ser Ile Phe
 115 120 125
 Leu Ile Pro Pro Ser Lys Leu Cys Gly Pro Phe Arg Gly Gln Ser Ser
 130 135 140
 Ile Trp Ala Gln Ile Pro Glu Ser Ile Ser Ser Leu Pro Glu Thr Thr
 145 150 155 160
 Gln Asn Phe Leu Phe Phe Leu Gly Thr Gln Ala Phe Ala Val Pro Leu
 165 170 175
 Leu Leu Ile Ser Ser Ile Leu Met Ala Tyr Thr Val Ala Leu Ala Asn
 180 185 190
 Ser Tyr Gly Arg Leu Ile Ser Glu Leu Lys Arg Gln Arg Xaa Thr Glu
 195 200 205
 Ala Gln Asn Lys Val Phe Leu Ala Arg Arg Ala Val Ala Leu Thr Ser
 210 215 220
 Thr Lys Pro Ala Leu
 225

<210> 1486
 <211> 93
 <212> PRT
 <213> Homo sapiens

<400> 1486
 Met Ala Thr Phe Ser Leu Cys Tyr Leu Met Ala Phe Pro Leu Cys Ala
 1 5 10 15
 Gly Ile Ala Gly Ile Ser Val Cys Val Lys Ile Ser Cys Phe Tyr Lys
 20 25 30
 Asp Ile Ser Gln Thr Gly Leu Arg Pro Thr Leu Lys Ala Tyr Leu Asn
 35 40 45
 Phe Asn Leu Leu Phe Ser Gly Pro Ile Ser Lys Tyr Ser Leu Ile Leu
 50 55 60
 Arg Tyr Trp Tyr Leu Gly Leu Gln His Thr Asn Phe Gly Val Asp Thr
 65 70 75 80
 Ile Gln Pro Ile Thr Asn Cys Ala His Glu Met Ile Tyr
 85 90

<210> 1487

<211> 124
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (70)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1487
Ala Leu Pro Phe Thr Leu Asn Lys Thr Ser Asn Tyr Pro Gln Asp Leu
1 5 10 15
Val Leu Xaa Ser Leu Leu Leu Gly Xaa Asn Tyr Xaa Gln Leu Gln Ile
20 25 30
Leu Leu Glu Cys Ile Phe Pro Val Pro His Ser Leu Leu Tyr Val Val
35 40 45
Leu Pro Asn Ser Ile Asp Leu Xaa Gln Lys Leu Pro Arg Asp Leu Pro
50 55 60
His Leu Pro Cys Pro Xaa Phe Leu Trp Pro Arg Pro Gly Ser Pro Pro
65 70 75 80
Lys Cys Phe Leu Ser Leu Ser Leu Thr Ala Leu Pro Leu Ser Ser Cys
85 90 95
Arg Tyr Thr Leu Pro Pro Ser Pro His Pro Leu Met Pro Ser Pro Leu
100 105 110
Leu Pro Ser Trp Val Gln Pro Ser Cys Tyr Leu Ala
115 120

<210> 1488

<211> 59
<212> PRT
<213> Homo sapiens

<400> 1488
Met Ala Thr Phe Ser Leu Cys Tyr Leu Met Ala Phe Pro Leu Cys Ala
1 5 10 15
Gly Ile Ala Gly Ile Ser Val Cys Val Lys Ile Ser Cys Phe Tyr Lys
20 25 30
Asp Ile Ser Gln Thr Gly Leu Arg Pro Thr Leu Lys Ala Tyr Leu Asn
35 40 45
Phe Asn Leu Leu Phe Ser Gly Pro Ile Gln Ile
50 55

<210> 1489
<211> 314
<212> PRT
<213> Homo sapiens

<400> 1489
Gly Ser Gly Arg Gln Ala Gly Trp Pro Arg Gly Leu Leu Ser Gly Pro
1 5 10 15
Ala Pro Ser Glu Arg Ser Ala Val Ala Arg Leu Ala Pro Thr Glu Ser
20 25 30
Leu Ala Arg Met Glu Ala Val Val Asn Leu Tyr Gln Glu Val Met Lys
35 40 45
His Ala Asp Pro Arg Ile Gln Gly Tyr Pro Leu Met Gly Ser Pro Leu
50 55 60
Leu Met Thr Ser Ile Leu Leu Thr Tyr Val Tyr Phe Val Leu Ser Leu
65 70 75 80
Gly Pro Arg Ile Met Ala Asn Arg Lys Pro Phe Gln Leu Arg Gly Phe
85 90 95
Met Ile Val Tyr Asn Phe Ser Leu Val Ala Leu Ser Leu Tyr Ile Val
100 105 110
Tyr Glu Phe Leu Met Ser Gly Trp Leu Ser Thr Tyr Thr Trp Arg Cys
115 120 125
Asp Pro Val Asp Tyr Ser Asn Ser Pro Glu Ala Leu Arg Met Val Arg
130 135 140
Val Ala Trp Leu Phe Leu Phe Ser Lys Phe Ile Glu Leu Met Asp Thr
145 150 155 160
Val Ile Phe Ile Leu Arg Lys Lys Asp Gly Gln Val Thr Phe Leu His
165 170 175

Val Phe His His Ser Val Leu Pro Trp Ser Trp Trp Trp Gly Val Lys
 180 185 190
 Ile Ala Pro Gly Gly Met Gly Ser Phe His Ala Met Ile Asn Ser Ser
 195 200 205
 Val His Val Ile Met Tyr Leu Tyr Tyr Gly Leu Ser Ala Phe Gly Pro
 210 215 220
 Val Ala Gln Pro Tyr Leu Trp Trp Lys Lys His Met Thr Ala Ile Gln
 225 230 235 240
 Leu Ile Gln Phe Val Leu Val Ser Leu His Ile Ser Gln Tyr Tyr Phe
 245 250 255
 Met Ser Ser Cys Asn Tyr Gln Tyr Pro Val Ile Ile His Leu Ile Trp
 260 265 270
 Met Tyr Gly Thr Ile Phe Phe Met Leu Phe Ser Asn Phe Trp Tyr His
 275 280 285
 Ser Tyr Thr Lys Gly Lys Arg Leu Pro Arg Ala Leu Gln Gln Asn Gly
 290 295 300
 Ala Pro Gly Ile Ala Lys Val Lys Ala Asn
 305 310

<210> 1490
 <211> 258
 <212> PRT
 <213> Homo sapiens

<400> 1490
 Met Lys His Ala Asp Pro Arg Ile Gln Gly Tyr Pro Leu Met Gly Ser
 1 5 10 15
 Pro Leu Leu Met Thr Ser Ile Leu Leu Thr Tyr Val Tyr Phe Val Leu
 20 25 30
 Ser Leu Gly Pro Arg Ile Met Ala Asn Arg Lys Pro Phe Gln Leu Arg
 35 40 45
 Gly Phe Met Ile Val Tyr Asn Phe Ser Leu Val Ala Leu Ser Leu Tyr
 50 55 60
 Ile Val Tyr Glu Phe Leu Met Ser Gly Trp Leu Ser Thr Tyr Thr Trp
 65 70 75 80
 Arg Cys Asp Pro Gln Asp Cys Thr Leu Gly Gln Cys Pro Ser Val Pro
 85 90 95
 Ser Pro Pro Thr Pro Val Thr Lys Ala Tyr Val Val Arg Thr Glu Gln
 100 105 110

Gly Thr Gly Pro Pro Leu Pro Thr Ala Ala Leu Gln Gly Pro Arg Leu
 115 120 125
 Trp Phe Leu Thr His Phe Pro Arg Ala Ala Pro Gly Met Trp Pro His
 130 135 140
 Cys Cys Leu Pro Leu Gln Ser Trp Gly Leu Lys Gly Leu Tyr Ser Tyr
 145 150 155 160
 Phe Pro Leu Pro Ala Leu Lys Leu Gly Arg Gly Ala Leu Arg Ala Gly
 165 170 175
 Pro Thr Lys Gly Leu Val Ala Phe Phe Leu Thr Gln Lys Arg Ser Ala
 180 185 190
 Ile Met Ser Leu Trp Thr Gln Ser His Ser Ser Thr Pro His Thr Glu
 195 200 205
 Ala Val Ala Ser Gly Pro Lys Val Arg Val Gly Gly Gly Leu Gly Ile
 210 215 220
 Gln Pro Val Glu Ala Ala Tyr Ser Thr Cys Val Leu Ile Lys Ser Asp
 225 230 235 240
 Arg Gly Asn Gln Lys Lys Lys Lys Lys Lys Lys Leu Glu Asn Tyr Phe
 245 250 255
 Leu Lys

<210> 1491
 <211> 222
 <212> PRT
 <213> Homo sapiens

<400> 1491
 Met Lys His Ala Asp Pro Arg Ile Gln Gly Tyr Pro Leu Met Gly Ser
 1 5 10 15
 Pro Leu Leu Met Thr Ser Ile Leu Leu Thr Tyr Val Tyr Phe Val Leu
 20 25 30
 Ser Leu Gly Pro Arg Ile Met Ala Asn Arg Lys Pro Phe Gln Leu Arg
 35 40 45
 Gly Phe Met Ile Val Tyr Asn Phe Ser Leu Val Ala Leu Ser Leu Tyr
 50 55 60
 Ile Val Tyr Glu Val Ile Phe Ile Leu Arg Lys Lys Asp Gly Gln Val
 65 70 75 80
 Thr Phe Leu His Val Phe His His Ser Val Leu Pro Trp Ser Trp Trp
 85 90 95
 Trp Gly Val Lys Ile Ala Pro Gly Gly Met Gly Ser Phe His Ala Met

100	105	110
Ile Asn Ser Ser Val His Val 115	Ile Met Tyr Leu Tyr 120	Tyr Gly Leu Ser 125
Ala Phe Gly Pro Val Ala Gln 130	Pro Tyr Leu Trp 135	Trp Lys Lys His Met 140
Thr Ala Ile Gln Leu Ile Gln 145	Phe Val Leu Val 150	Ser Leu His Ile Ser 155 160
Gln Tyr Tyr Phe Met Ser Ser 165	Cys Asn Tyr Gln Tyr 170	Pro Val Ile Ile 175
His Leu Ile Trp Met Tyr Gly 180	Thr Ile Phe Phe Met 185	Leu Phe Ser Asn 190
Phe Trp Tyr His Ser Tyr Thr 195	Lys Gly Lys Arg Leu 200	Pro Arg Ala Leu 205
Gln Gln Asn Gly Ala Pro Gly 210	Ile Ala Lys Val 215	Lys Ala Asn 220

<210> 1492
 <211> 93
 <212> PRT
 <213> Homo sapiens

<400> 1492

Met Tyr Gly Leu Ser Ile Cys Tyr Leu Lys Cys Leu Gly Pro Glu Val 1 5 10 15
Phe Trp Thr Phe Phe Leu Phe Trp Asn Thr Ser Ile Cys Ile Leu Pro 20 25 30
Val Glu His Pro Lys Ser Glu Ile Ser Lys Ile Gln Asn Val Pro Val 35 40 45
Ser Leu Asn Ser Ser Val Asp Gly His Leu Ser Tyr Phe Arg Phe Glu 50 55 60
Ala Ile Met Arg Glu Ala Ala Val His Val Phe Val Tyr Val Lys Cys 65 70 75 80
Val Phe Thr Cys Gln Ile Leu Lys Asp Leu Thr Asp Phe 85 90

<210> 1493
 <211> 65
 <212> PRT
 <213> Homo sapiens

<400> 1493

Lys Leu Ser Asn Cys Asn Cys Phe Gln Leu Leu Ser Glu Val Gly Ile
 1 5 10 15
 Met Val Asp Leu Ile Ser Ser Val Leu Phe Leu Gln Leu Tyr Tyr Gln
 20 25 30
 Val Leu Asn Phe Gly Met Ile Val Ser Ser Ala Leu Met Ile Trp Lys
 35 40 45
 Gly Leu Met Val Ile Thr Gly Ser Glu Ser Pro Ile Val Val Val Leu
 50 55 60
 Arg
 65

<210> 1494
 <211> 93
 <212> PRT
 <213> Homo sapiens

<400> 1494
 Met Tyr Gly Leu Ser Ile Cys Tyr Leu Lys Cys Leu Gly Pro Glu Val
 1 5 10 15
 Phe Trp Thr Phe Phe Leu Phe Trp Asn Thr Ser Ile Cys Ile Leu Pro
 20 25 30
 Val Glu His Pro Lys Ser Glu Ile Ser Lys Ile Gln Asn Val Pro Val
 35 40 45
 Ser Leu Asn Ser Ser Val Asp Gly His Leu Ser Tyr Phe Arg Phe Glu
 50 55 60
 Ala Ile Met Arg Glu Ala Ala Val His Val Phe Val Tyr Val Lys Cys
 65 70 75 80
 Val Phe Thr Cys Gln Ile Leu Lys Asp Leu Thr Asp Phe
 85 90

<210> 1495
 <211> 81
 <212> PRT
 <213> Homo sapiens

<400> 1495
 Met Gly Lys Pro Ser Leu Leu Phe Phe Gly Leu Met Ala Ser Trp Arg
 1 5 10 15
 Thr Arg Ser Gln Ala Arg Arg Thr Trp Ser Thr Ser Ser Arg Met Pro
 20 25 30
 Gly Arg Asn Val Leu Leu Arg Ser Arg Lys Arg Arg Ser Gln Ile Ser
 35 40 45

Ser Ser Ile Ser Trp Ser Ile Ala Leu Gly Pro Val Met Pro Trp Pro
50 55 60

Gly Leu Ile Leu Phe Leu Lys Ile Ser Arg Ser Ser Thr Pro Thr Arg
65 70 75 80

Leu

<210> 1496
<211> 81
<212> PRT
<213> Homo sapiens

<400> 1496
Met Gly Lys Pro Ser Leu Leu Phe Phe Gly Leu Met Ala Ser Trp Arg
1 5 10 15

Thr Arg Ser Gln Ala Arg Arg Thr Trp Ser Thr Ser Ser Arg Met Pro
20 25 30

Gly Arg Asn Val Leu Leu Arg Ser Arg Lys Arg Arg Ser Gln Ile Ser
35 40 45

Ser Ser Ile Ser Trp Ser Ile Ala Leu Gly Pro Val Met Pro Trp Pro
50 55 60

Gly Leu Ile Leu Phe Leu Lys Ile Ser Arg Ser Ser Thr Pro Thr Arg
65 70 75 80

Leu

<210> 1497
<211> 47
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1497
Met Arg Leu Arg Phe Trp Leu Leu Ile Trp Leu Leu Leu Gly Phe Ile
1 5 10 15

Ser His Gln Pro Thr Pro Val Ile Asn Ser Leu Ala Val Tyr Arg His
20 25 30

Arg Glu Thr Asp Phe Gly Val Arg Val Arg Asp His Pro Trp Xaa
35 40 45

<210> 1498
<211> 394
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (73)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (194)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (200)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (210)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (225)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (237)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (389)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1498
Glu Val Ile Asn Thr Leu Ala Asp His Arg His Arg Gly Thr Asp Phe
1 5 10 15

Gly Gly Ser Pro Trp Leu Leu Ile Ile Thr Val Phe Leu Arg Ser Tyr
20 25 30

Lys Phe Ala Ile Ser Leu Cys Thr Ser Tyr Leu Cys Val Ser Phe Leu
35 40 45

Lys Thr Ile Phe Pro Ser Gln Asn Gly His Asp Gly Ser Thr Asp Val
50 55 60

Gln Gln Arg Ala Arg Arg Ser Asn Xaa Arg Arg Gln Glu Gly Ile Lys

65	70	75	80
Ile Val Leu Glu Asp 85	Ile Phe Thr Leu Trp Arg Gln Val Glu Thr Lys 90		
Val Arg Ala Lys Ile Arg Lys Met Lys Val Thr Thr Lys Val Asn Arg 100			110
His Asp Lys Ile Asn Gly Lys Arg Lys Thr Ala Lys Glu His Leu Arg 115	120		125
Lys Leu Ser Met Lys Glu Arg Glu His Gly Glu Lys Glu Arg Gln Val 130	135		140
Ser Glu Ala Glu Glu Asn Gly Lys Leu Asp Met Lys Glu Ile His Thr 145	150	155	160
Tyr Met Glu Met Phe Gln Arg Ala Gln Ala Leu Arg Arg Arg Ala Glu 165	170		175
Asp Tyr Tyr Arg Cys Lys Ile Thr Pro Ser Ala Arg Lys Pro Leu Cys 180	185		190
Asn Xaa Val Arg Met Ala Ala Xaa Glu His Arg His Ser Ser Gly Leu 195	200		205
Pro Xaa Trp Pro Tyr Leu Thr Ala Glu Thr Leu Lys Asn Arg Met Gly 210	215		220
Xaa Gln Pro Pro Pro Pro Thr Gln Gln His Ser Ile Xaa Asp Asn Ser 225	230	235	240
Leu Ser Leu Lys Thr Pro Pro Glu Cys Leu Leu His Pro Leu Pro Pro 245	250		255
Ser Val Asp Asp Asn Ile Lys Glu Cys Pro Leu Ala Pro Leu Pro Pro 260	265		270
Ser Val Asp Asp Asn Leu Lys Glu Cys Leu Leu Val Pro Leu Pro Pro 275	280		285
Ser Pro Leu Pro Pro Ser Val Asp Asp Asn Leu Lys Asp Cys Leu Phe 290	295	300	
Val Pro Leu Pro Pro Ser Pro Leu Pro Pro Ser Val Asp Asp Asn Leu 305	310	315	320
Lys Thr Pro Pro Leu Ala Thr Gln Glu Ala Glu Ala Glu Lys Pro Pro 325	330		335
Lys Pro Lys Arg Trp Arg Val Asp Glu Val Glu Gln Ser Pro Lys Pro 340	345		350
Lys Arg Arg Arg Ala Asp Glu Val Glu Gln Ser Pro Lys Pro Lys Arg 355	360		365
Gln Arg Glu Ala Glu Ala Gln Gln Leu Pro Lys Pro Lys Arg Arg Arg			

370

375

380

Leu Ser Lys Leu Xaa Thr Arg His Cys Thr
 385 390

<210> 1499

<211> 212

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (54)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (74)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (81)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (101)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (122)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1499

Met Arg Leu Arg Phe Trp Leu Leu Ile Trp Leu Leu Leu Gly Phe Ile
 1 5 10 15

Ser His Gln Pro Thr Pro Val Ile Asn Ser Leu Ala Val Tyr Arg His
 20 25 30

Arg Glu Thr Asp Phe Gly Val Gly Val Arg Asp His Pro Gly Gln His
 35 40 45

Gly Lys Thr Pro Ser Xaa Gln Lys Leu Asp Asn Leu Ile Ile Ile Ile
 50 55 60

Ile Gly Phe Leu Arg Arg Tyr Thr Phe Xaa Ile Leu Phe Cys Thr Ser
 65 70 75 80

Xaa Leu Cys Val Ser Phe Leu Lys Thr Ile Phe Trp Ser Arg Asn Gly
 85 90 95

His Asp Gly Ser Xaa Asp Val Gln Gln Arg Ala Trp Arg Ser Asn Arg

100					105					110						
Ser	Arg	Gln	Lys	Gly	Leu	Arg	Ser	Ile	Xaa	Met	His	Thr	Lys	Lys	Arg	
115					120					125						
Val	Ser	Ser	Phe	Arg	Gly	Asn	Lys	Ile	Gly	Leu	Lys	Asp	Val	Ile	Thr	
130					135					140						
Leu	Arg	Arg	His	Val	Glu	Thr	Lys	Val	Arg	Ala	Lys	Ile	Arg	Lys	Arg	
145					150					155					160	
Lys	Val	Thr	Thr	Lys	Ile	Asn	Arg	His	Asn	Lys	Ile	Asn	Gly	Lys	Arg	
165					170					175						
Lys	Thr	Ala	Arg	Lys	Gln	Lys	Met	Phe	Gln	Arg	Ala	Gln	Glu	Leu	Arg	
180					185					190						
Arg	Arg	Ala	Glu	Asp	Tyr	His	Lys	Cys	Lys	Val	Arg	Ser	Phe	Leu	Pro	
195					200					205						
Ala	Val	Ala	Gly													
210																

<210> 1500
 <211> 121
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (110)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (112)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (114)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (116)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1500
 Met Ala Thr Leu Val Trp Arg Leu Tyr Leu Leu Gln Pro Glu Leu Val
 1 5 10 15

Leu Pro Ser Pro Pro Pro Pro Pro Arg Phe Pro Gly Pro Val Gln Thr
 20 25 30

Pro Lys Ile Pro Gly Pro Ala Arg Gly Pro Arg Thr Gly Phe Gln Pro
 35 40 45
 Pro Ala Phe Ser Phe Pro Ser Pro Thr Pro Phe Phe Ser Ala Gly Thr
 50 55 60
 Pro Val Leu Ser Trp Lys Phe Ala Val Leu Cys Pro Ile Ala Gln Glu
 65 70 75 80
 Leu Leu Pro Ala Glu Lys Gly Ala Arg Asn Lys Cys Ser Gly Leu Ser
 85 90 95
 Arg Ser Tyr Ile Phe Ala Met Leu Pro Glu Met Gly Gly Xaa Asn Xaa
 100 105 110
 Leu Xaa Gln Xaa Asn Glu Trp His Gly
 115 120

<210> 1501
 <211> 128
 <212> PRT
 <213> Homo sapiens

<400> 1501
 Met Asp Arg Leu Lys Ser His Leu Thr Val Cys Phe Leu Pro Ser Val
 1 5 10 15
 Pro Phe Leu Ile Leu Val Ser Thr Leu Ala Thr Ala Lys Ser Val Thr
 20 25 30
 Asn Ser Thr Leu Asn Gly Thr Asn Val Val Leu Gly Ser Val Pro Val
 35 40 45
 Ile Ile Ala Arg Thr Asp His Ile Ile Val Lys Glu Gly Asn Ser Ala
 50 55 60
 Leu Ile Asn Cys Ser Val Tyr Gly Ile Pro Asp Pro Gln Phe Lys Trp
 65 70 75 80
 Tyr Asn Ser Ile Gly Lys Leu Leu Lys Glu Glu Glu Asp Glu Lys Glu
 85 90 95
 Arg Gly Gly Gly Lys Trp Gln Met His Asp Ser Gly Leu Leu Asn Ile
 100 105 110
 Thr Lys Val Ser Phe Ser Asp Arg Gly Lys Tyr Thr Val Cys Gly Phe
 115 120 125

<210> 1502
 <211> 120

<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1502
Leu Glu Phe Lys Xaa Pro Xaa Xaa Gln Val Pro Pro Trp Xaa Trp Leu
1 5 10 15
Ser Leu Phe Lys Lys Tyr Arg Ser Ala Thr Ile Ala Asn Ala Arg Thr
20 25 30
Trp Val Phe Cys Ser Phe Phe Xaa Val Leu Ile Leu Leu Phe Leu Tyr
35 40 45
Asn Gly Val Ile Val Ile Asn Thr Asn Cys Ser Phe Trp Phe Ser Pro
50 55 60
His Cys His Phe Cys Pro Tyr Val Ser Leu Glu His Val Pro Gln Arg
65 70 75 80
Leu Trp Tyr Gln Ser Pro Val Pro Gly Leu Ile Ser Thr Ser His Ile
85 90 95
Thr Phe Val Met Phe Gln Ser Ser Tyr Glu Ala Cys Tyr Phe Phe Phe
100 105 110
Ile Pro Gln Ala Tyr Phe His Arg
115 120

<210> 1503
<211> 409

<212> PRT

<213> Homo sapiens

<400> 1503

Met	Asp	Arg	Leu	Lys	Ser	His	Leu	Thr	Val	Cys	Phe	Leu	Pro	Ser	Val	
1				5					10					15		
Pro	Phe	Leu	Ile	Leu	Val	Ser	Thr	Leu	Ala	Thr	Ala	Lys	Ser	Val	Thr	
			20					25					30			
Asn	Ser	Thr	Leu	Asn	Gly	Thr	Asn	Val	Val	Leu	Gly	Ser	Val	Pro	Val	
		35					40					45				
Ile	Ile	Ala	Arg	Thr	Asp	His	Ile	Ile	Val	Lys	Glu	Gly	Asn	Ser	Ala	
	50					55					60					
Leu	Ile	Asn	Cys	Ser	Val	Tyr	Gly	Ile	Pro	Asp	Pro	Gln	Phe	Lys	Trp	
65					70				75						80	
Tyr	Asn	Ser	Ile	Gly	Lys	Leu	Leu	Lys	Glu	Glu	Glu	Asp	Glu	Lys	Glu	
				85					90					95		
Arg	Gly	Gly	Gly	Lys	Trp	Gln	Met	His	Asp	Ser	Gly	Leu	Leu	Asn	Ile	
			100					105						110		
Thr	Lys	Val	Ser	Phe	Ser	Asp	Arg	Gly	Lys	Tyr	Thr	Cys	Val	Ala	Ser	
		115					120					125				
Asn	Ile	Tyr	Gly	Thr	Val	Asn	Asn	Thr	Val	Thr	Leu	Arg	Val	Ile	Phe	
	130					135					140					
Thr	Ser	Gly	Asp	Met	Gly	Val	Tyr	Tyr	Met	Val	Val	Cys	Leu	Val	Ala	
145					150					155					160	
Phe	Thr	Ile	Val	Met	Val	Leu	Asn	Ile	Thr	Arg	Leu	Cys	Met	Met	Ser	
				165					170					175		
Ser	His	Leu	Lys	Lys	Thr	Glu	Lys	Ala	Ile	Asn	Glu	Phe	Phe	Arg	Thr	
		180						185					190			
Glu	Gly	Ala	Glu	Lys	Leu	Gln	Lys	Ala	Phe	Glu	Ile	Ala	Lys	Arg	Ile	
	195						200					205				
Pro	Ile	Ile	Thr	Ser	Ala	Lys	Thr	Leu	Glu	Leu	Ala	Lys	Val	Thr	Gln	
	210					215					220					
Phe	Lys	Thr	Met	Glu	Phe	Ala	Arg	Tyr	Ile	Glu	Glu	Leu	Ala	Arg	Ser	
225					230					235					240	
Val	Pro	Leu	Pro	Pro	Leu	Ile	Met	Asn	Cys	Arg	Thr	Ile	Met	Glu	Glu	
				245					250					255		
Ile	Met	Glu	Val	Val	Gly	Leu	Glu	Glu	Gln	Gly	Gln	Asn	Phe	Val	Arg	
		260					265						270			
His	Thr	Pro	Glu	Gly	Gln	Glu	Ala	Ala	Asp	Arg	Asp	Glu	Val	Tyr	Thr	
		275					280					285				

Ile Pro Asn Ser Leu Lys Arg Ser Asp Ser Pro Ala Ala Asp Ser Asp
 290 295 300
 Ala Ser Ser Leu His Glu Gln Pro Gln Gln Ile Ala Ile Lys Val Ser
 305 310 315 320
 Val His Pro Gln Ser Lys Lys Glu His Ala Asp Asp Gln Glu Gly Gly
 325 330 335
 Gln Phe Glu Val Lys Asp Val Glu Glu Thr Glu Leu Ser Ala Glu His
 340 345 350
 Ser Pro Glu Thr Ala Glu Pro Ser Thr Asp Val Thr Ser Thr Glu Leu
 355 360 365
 Thr Ser Glu Glu Pro Thr Pro Val Glu Val Pro Asp Lys Val Leu Pro
 370 375 380
 Pro Ala Tyr Leu Glu Ala Thr Glu Pro Ala Val Thr His Asp Lys Asn
 385 390 395 400
 Thr Cys Ile Ile Tyr Glu Ser His Val
 405

<210> 1504
 <211> 107
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (63)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (64)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (82)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1504
 Ser Met Lys Ala Lys Arg Asn Lys Gly Arg Trp Val Ala Ala Gly Pro
 1 5 10 15
 Thr Ala Ala Thr Ala Trp Ile Val Leu Thr Val Gln Ala Ala Cys Pro
 20 25 30
 Glu Gly Lys Cys Pro Leu Pro Gly Val Cys Ala Pro Ile Thr Trp Ala
 35 40 45

Pro Ser Tyr Leu Thr Ala Gly Lys Ala Lys Leu Ala Gly Pro Xaa Xaa
50 55 60

Tyr Lys Pro Gly Pro Val Leu Lys Ala Ala His Leu Pro Met Gly Gln
65 70 75 80

His Xaa His Thr Thr Pro Trp Trp Gln Pro Leu Phe Ile Ile Ser Val
85 90 95

Ser Arg Tyr Pro Pro Arg Thr Pro Lys Gln His
100 105

<210> 1505
<211> 106
<212> PRT
<213> Homo sapiens

<400> 1505
Met Lys Ala Lys Arg Asn Lys Gly Arg Trp Val Ala Ala Gly Pro Thr
1 5 10 15

Ala Ala Thr Ala Trp Ile Val Leu Thr Val Gln Ala Ala Cys Pro Glu
20 25 30

Gly Lys Cys Pro Leu Pro Gly Val Cys Ala Pro Ile Thr Trp Ala Pro
35 40 45

Ser Tyr Leu Thr Ala Gly Lys Ala Lys Leu Ala Gly Pro Arg Thr Tyr
50 55 60

Lys Pro Gly Pro Val Leu Lys Ala Ala His Leu Pro Met Gly Gln His
65 70 75 80

Pro His Thr Thr Pro Trp Trp Gln Pro Leu Phe Ile Ile Ser Val Ser
85 90 95

Arg Tyr Pro Pro Arg Thr Pro Lys Gln His
100 105

<210> 1506
<211> 106
<212> PRT
<213> Homo sapiens

<400> 1506
Met Lys Ala Lys Arg Asn Lys Gly Arg Trp Val Ala Ala Gly Pro Thr
1 5 10 15

Ala Ala Thr Ala Trp Ile Val Leu Thr Val Gln Ala Ala Cys Pro Glu
20 25 30

Gly Lys Cys Pro Leu Pro Gly Val Cys Ala Pro Ile Thr Trp Ala Pro
35 40 45

Ser Tyr Leu Thr Ala Gly Lys Ala Lys Leu Ala Gly Pro Arg Thr Tyr
50 55 60

Lys Pro Gly Pro Val Leu Lys Ala Ala His Leu Pro Met Gly Gln His
65 70 75 80

Pro His Thr Thr Pro Trp Trp Gln Pro Leu Phe Ile Ile Ser Val Ser
85 90 95

Arg Tyr Pro Pro Arg Thr Pro Lys Gln His
100 105

<210> 1507
<211> 109
<212> PRT
<213> Homo sapiens

<400> 1507
Met Val Ser Cys Trp Asp Gln Asn Leu Ile Leu Phe Leu Thr Cys Leu
1 5 10 15

Leu Ala Val Leu Ile Phe Cys Leu Val Leu Ala Val Tyr Ile Val Phe
20 25 30

Phe Lys Phe Leu Lys Ala Ser Leu Ile Tyr Val Pro Arg Glu Trp Val
35 40 45

Thr Leu Thr Lys Ala Asn Asp Val Gln Lys Gly His Asp Leu Gly Leu
50 55 60

Ser Tyr Cys Arg Thr Gln Ser Thr Ala Trp Pro Pro Pro Cys Leu Gly
65 70 75 80

His His Leu His Leu Glu Ser Ser Leu Thr Leu Glu Ser Phe Gly Leu
85 90 95

Leu Thr Ile Pro Ile Ser Asp Ser Val Ser Leu Ile Thr
100 105

<210> 1508
<211> 71
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1508
Gly Val Arg Ile Asp Ala Ser Gly Ser Leu Ala Ala Val Leu Pro Leu
1 5 10 15

Asn His Tyr Thr Ile Thr Glu Phe Asn Phe Leu Gln Phe Gln Gly Xaa
 20 25 30
 Thr Glu Leu Ser Ser Asp Ser Lys Ile Arg Ile Ser Asn Arg Glu Trp
 35 40 45
 Ile His Leu Arg Ile Gly Glu Thr Asp Ile His Asp Leu Lys Gln Lys
 50 55 60
 Ser Glu Thr Lys Leu Ile Asn
 65 70

<210> 1509
 <211> 109
 <212> PRT
 <213> Homo sapiens

<400> 1509
 Met Val Ser Cys Trp Asp Gln Asn Leu Ile Leu Phe Leu Thr Cys Leu
 1 5 10 15
 Leu Ala Val Leu Ile Phe Cys Leu Val Leu Ala Val Tyr Ile Val Phe
 20 25 30
 Phe Lys Phe Leu Lys Ala Ser Leu Ile Tyr Val Pro Arg Glu Trp Val
 35 40 45
 Thr Leu Thr Lys Ala Asn Asp Val Gln Lys Gly His Asp Leu Gly Leu
 50 55 60
 Ser Tyr Cys Arg Thr Gln Ser Thr Ala Trp Pro Pro Pro Cys Leu Gly
 65 70 75 80
 His His Leu His Leu Glu Ser Ser Leu Thr Leu Glu Ser Phe Gly Leu
 85 90 95
 Leu Thr Ile Pro Ile Ser Asp Ser Val Ser Leu Ile Thr
 100 105

<210> 1510
 <211> 82
 <212> PRT
 <213> Homo sapiens

<400> 1510
 Met Gly Leu Gln Ser Arg Leu Ser Gln Pro Cys His Cys Arg His Leu
 1 5 10 15
 Gly Leu Gly Asn Ser Val Val Gly Thr Val Leu Phe Leu Val Gly Cys
 20 25 30
 Leu Val Ala Ser Leu Pro Pro Pro Thr Arg Cys Gln Gly His Cys Ser

35	40	45
Pro Gln Pro Pro Ala Pro Val Val Thr Ile Val Ser Lys His Cys Gln		
50	55	60
Met Val Gln Gly Lys Gly Lys Ile Ala Pro Val Glu Lys Ser Thr Ala		
65	70	75 80
Val Lys		

<210> 1511
 <211> 82
 <212> PRT
 <213> Homo sapiens

<400> 1511
Met Gly Leu Gln Ser Arg Leu Ser Gln Pro Cys His Cys Arg His Leu
1 5 10 15
Gly Leu Gly Asn Ser Val Val Gly Thr Val Leu Phe Leu Val Gly Cys
20 25 30
Leu Val Ala Ser Leu Pro Pro Pro Thr Arg Cys Gln Gly His Cys Ser
35 40 45
Pro Gln Pro Pro Ala Pro Val Val Thr Ile Val Ser Lys His Cys Gln
50 55 60
Met Val Gln Gly Lys Gly Lys Ile Ala Pro Val Glu Lys Ser Thr Ala
65 70 75 80
Val Lys

<210> 1512
 <211> 115
 <212> PRT
 <213> Homo sapiens

<400> 1512
Met Lys Arg Gln Arg Leu Pro Leu Ala Leu Gln Asn Leu Phe Leu Tyr
1 5 10 15
Thr Phe Gly Val Leu Leu Asn Leu Gly Leu His Ala Gly Gly Gly Ser
20 25 30
Gly Pro Gly Leu Leu Glu Gly Phe Ser Gly Trp Ala Ala Leu Val Val
35 40 45
Leu Ser Gln Ala Leu Asn Gly Leu Leu Met Ser Ala Val Met Lys His
50 55 60

Gly Ser Ser Ile Thr Arg Leu Phe Val Val Ser Cys Ser Leu Val Val
 65 70 75 80
 Asn Ala Val Leu Ser Ala Val Leu Leu Arg Leu Gln Leu Thr Ala Ala
 85 90 95
 Phe Phe Leu Ala Thr Leu Leu Ile Gly Leu Ala Met Arg Leu Tyr Tyr
 100 105 110
 Gly Ser Arg
 115

<210> 1513
 <211> 115
 <212> PRT
 <213> Homo sapiens

<400> 1513
 Met Lys Arg Gln Arg Leu Pro Leu Ala Leu Gln Asn Leu Phe Leu Tyr
 1 5 10 15
 Thr Phe Gly Val Leu Leu Asn Leu Gly Leu His Ala Gly Gly Gly Ser
 20 25 30
 Gly Pro Gly Leu Leu Glu Gly Phe Ser Gly Trp Ala Ala Leu Val Val
 35 40 45
 Leu Ser Gln Ala Leu Asn Gly Leu Leu Met Ser Ala Val Met Lys His
 50 55 60
 Gly Ser Ser Ile Thr Arg Leu Phe Val Val Ser Cys Ser Leu Val Val
 65 70 75 80
 Asn Ala Val Leu Ser Ala Val Leu Leu Arg Leu Gln Leu Thr Ala Ala
 85 90 95
 Phe Phe Leu Ala Thr Leu Leu Ile Gly Leu Ala Met Arg Leu Tyr Tyr
 100 105 110
 Gly Ser Arg
 115

<210> 1514
 <211> 56
 <212> PRT
 <213> Homo sapiens

<400> 1514
 Met Leu Thr Gly Val Ile Ser Gly Ser Thr Gly Ala Met Ala Leu Ser
 1 5 10 15
 Leu Ala Ser Leu Ser Ala His Cys Phe Ala Phe Arg Cys Leu Ala Ala
 20 25 30

Pro Phe Tyr Phe Phe Ala Gly Leu Gly Lys His Gly Arg Arg Ile Leu
35 40 45

Ile Ser Phe Leu Phe Ser Ala Trp
50 55

<210> 1515
<211> 56
<212> PRT
<213> Homo sapiens

<400> 1515
Met Leu Thr Gly Val Ile Ser Gly Ser Thr Gly Ala Met Ala Leu Ser
1 5 10 15

Leu Ala Ser Leu Ser Ala His Cys Phe Ala Phe Arg Cys Leu Ala Ala
20 25 30

Pro Phe Tyr Phe Phe Ala Gly Leu Gly Lys His Gly Arg Arg Ile Leu
35 40 45

Ile Ser Phe Leu Phe Ser Ala Trp
50 55

<210> 1516
<211> 147
<212> PRT
<213> Homo sapiens

<400> 1516
Met Ala Arg Leu Lys Thr Val Leu Lys Tyr Val Leu Phe Leu Leu Gly
1 5 10 15

Thr Leu Val Ile Ala Met Ser Leu Gln Leu Asp Arg Arg Gly Met Trp
20 25 30

Asn Met Leu Gly Pro Cys Leu Phe Ala Phe Val Ile Met Ala Ser Met
35 40 45

Trp Ala Tyr Arg Cys Gly His Arg Arg Gln Cys Tyr Pro Thr Ser Trp
50 55 60

Gln Arg Trp Ala Phe Tyr Leu Leu Pro Gly Val Ser Met Ala Ser Val
65 70 75 80

Gly Ile Ala Ile Tyr Thr Ser Met Met Thr Ser Asp Asn Tyr Tyr Tyr
85 90 95

Thr His Ser Ile Trp His Ile Leu Leu Ala Gly Ser Ala Ala Leu Leu
100 105 110

Leu Pro Pro Pro Asp Gln Pro Ala Glu Pro Trp Ala Cys Ser Gln Lys

115	120	125
Phe Pro Cys His Tyr Gln Ile Cys Lys Asn Asp Arg Glu Glu Leu Tyr		
130	135	140

Ala Val Thr
145

<210> 1517
<211> 147
<212> PRT
<213> Homo sapiens

<400> 1517
Met Ala Arg Leu Lys Thr Val Leu Lys Tyr Val Leu Phe Leu Leu Gly
1 5 10 15

Thr Leu Val Ile Ala Met Ser Leu Gln Leu Asp Arg Arg Gly Met Trp
20 25 30

Asn Met Leu Gly Pro Cys Leu Phe Ala Phe Val Ile Met Ala Ser Met
35 40 45

Trp Ala Tyr Arg Cys Gly His Arg Arg Gln Cys Tyr Pro Thr Ser Trp
50 55 60

Gln Arg Trp Ala Phe Tyr Leu Leu Pro Gly Val Ser Met Ala Ser Val
65 70 75 80

Gly Ile Ala Ile Tyr Thr Ser Met Met Thr Ser Asp Asn Tyr Tyr Tyr
85 90 95

Thr His Ser Ile Trp His Ile Leu Leu Ala Gly Ser Ala Ala Leu Leu
100 105 110

Leu Pro Pro Pro Asp Gln Pro Ala Glu Pro Trp Ala Cys Ser Gln Lys
115 120 125

Phe Pro Cys His Tyr Gln Ile Cys Lys Asn Asp Arg Glu Glu Leu Tyr
130 135 140

Ala Val Thr
145

<210> 1518
<211> 92
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (70)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1518

Met Trp Gln Tyr His Arg Leu Ser Cys Thr Ala Trp Gln Pro Val Ile
1 5 10 15

Leu Ser Phe Ser Leu Ser Val Gly His Arg Ile Leu Leu Ala Leu Phe
20 25 30

Phe Phe Ile Leu His Leu Ser Ile Leu Ile Ala Thr Glu Cys Arg Pro
35 40 45

Trp Tyr Ser Phe His Leu Val Ser Leu Pro Ser Phe Leu Pro Gln Phe
50 55 60

Leu Leu Cys Leu Ala Xaa Ile Cys Leu Phe Gly Phe Thr Thr Leu Leu
65 70 75 80

Phe Ser Phe Cys Cys Gln Val His Val Leu Gly His
85 90

<210> 1519

<211> 58

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (38)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (58)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1519

Asp Tyr Ile Leu Met Arg Gln Leu Arg Pro Ala Asn Phe Cys Ile Phe
1 5 10 15

Ser Arg Asp Arg Phe His Pro Val Ser Gln Ala Gly Leu Glu Leu Leu
20 25 30

Thr Ser Ser Asp Leu Xaa Ala Phe Gly Leu Pro Lys Tyr Trp Tyr Tyr
35 40 45

Arg His Glu Pro Pro Cys Leu Ala Ser Xaa
50 55

<210> 1520

<211> 80

<212> PRT

<213> Homo sapiens